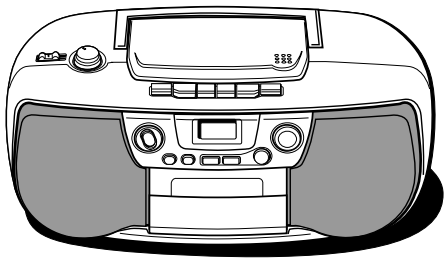
aiwa
SERVICE

CSD-TD9 LH(ST)
CSD-TD901 U(ST),UC(ST)
CSD-TD902 U(S),UC(S)



SERVICE MANUAL

CD STEREO RADIO
CASSETTE RECORDER

BASIC TAPE MECHANISM:TN-21ZVC-2000
BASIC CD MECHANISM :KSM-213 RDM

Ver. 1.0

aiwa

S/M Code No. 09-027-361-3R1

Tuner section
Frequency range, antenna – FM: 87.5 - 108.0 MHz Rod antenna, AM: 530/531 - 1,710/1,602 kHz (10/9 kHz step) Ferrite bar antenna

Deck section
Track format – 4 tracks, 2 channels / Frequency range – Normal tape: 50 - 12,500 Hz (EIAJ) / Recording system – AC bias / Erasing system – Magnet erase / Heads – Recording/playback head (1), Erasure head (1)

CD player section
Disc – Compact disc / Scanning method – Non-contact optical scanner (semiconductor laser)

General
Speaker – 100 mm cone type (2) / Power output – 2 W + 2 W (EIAJ 8 ohms, T.H.D. 10% DC) / Power requirements – DC 12 V using eight size C (R14) batteries, U,UC:AC120V,60Hz, LH:AC110 – 120V ◄► 220 – 240V / Power consumption – 12 W / Dimensions W × H × D) – 390 × 167 × 255.5 mm / Weight (excluding batteries) – 2.7 kg

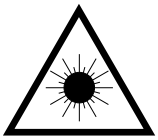
- Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING -1/1

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

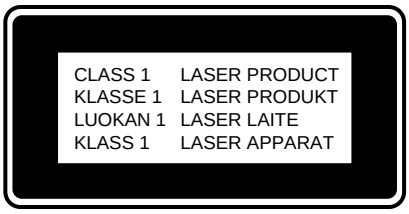
ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

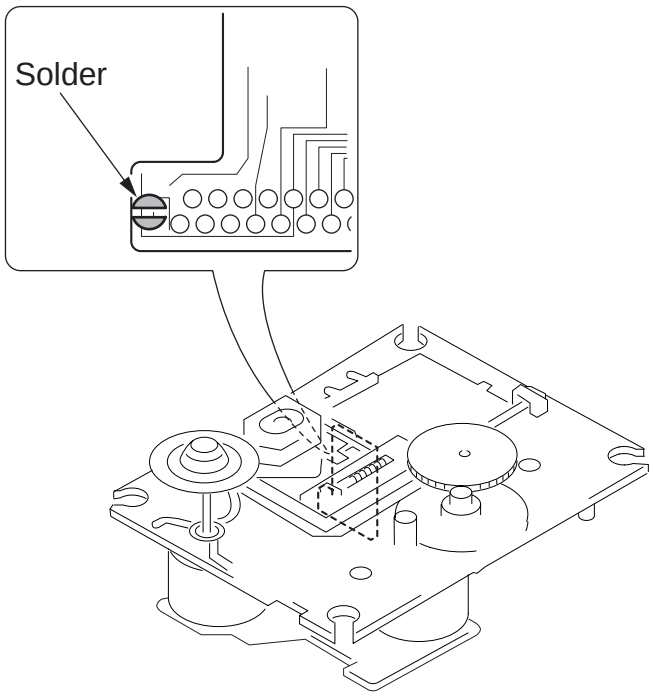
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



PRECAUTION TO REPALCE OPTICAL BLOCK -1/1 (KSM-213 RDM)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.



ACCESSORIES PARTS LIST -1/1

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
	!	O	AS1001	87-A92-262-010	CONVERTOR,220V-117V	a	.	.	.	.
	!	O	AS1002	S1-171-101-030	PCA-ULP-6'&&&-SP2NNM UL/CUL/C	.	b	c	d	e
	!	O	AS1003	87-A80-187-010	PCA-VDE-6 BRAZILIAN	a	.	.	.	.
		X	AS1004	87-B50-054-010	CARD WARRANTY	.	b	c	d	e
		O	AS1005	8C-CHC-902-110	IB,(LH)	a	.	.	.	.
		O	AS1006	8C-CHC-903-110	IB,(U)	.	b	c	d	e
		X	AS1007	SC-CDC-950-300	CASS DOOR CARD CCDC-95-03 S:1	a	b	c	d	e
		X	AS1008	SC-CDC-950-400	CD DOOR CARD	.	.	c	.	e

ELECTRICAL PARTS LIST -1/9

! = ⚠SAFTY PARTS
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Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
CASSETTE		O	C	0302	87-010-263-080 CAP,E 100-10V	a	b	c	d	e
CASSETTE		O	C	0303	87-010-404-010 CAP,E 4.7-50V	a	b	c	d	e
CASSETTE		O	C	0304	S0-102-101-000 CAP,M 0.001UF-100V	a	b	c	d	e
CASSETTE		X	C	0305	S0-273-101-000 CAP,M 0.027UF-100V	a	b	c	d	e
CASSETTE		O	C	0306	87-010-037-010 CAP,E 10-50V	a	b	c	d	e
CASSETTE		O	C	0307	87-010-404-010 CAP,E 4.7-50V	a	b	c	d	e
CASSETTE		O	C	0308	87-010-263-080 CAP,E 100-10V	a	b	c	d	e
CASSETTE		O	C	0310	S0-102-101-000 CAP,M 0.001UF-100V	a	b	c	d	e
CASSETTE		O	C	0311	87-010-375-010 CAP,E 330-10V	a	b	c	d	e
CASSETTE		X	C	0312	S0-273-101-000 CAP,M 0.027UF-100V	a	b	c	d	e
CASSETTE		X	C	0313	S0-222-101-000 CAP,M 0.0022UF-100V	a	b	c	d	e
CASSETTE		O	C	0314	S0-102-101-000 CAP,M 0.001UF-100V	a	b	c	d	e
CASSETTE		X	C	0315	S0-222-101-000 CAP,M 0.0022UF-100V	a	b	c	d	e
CASSETTE		O	C	0316	S0-102-101-000 CAP,M 0.001UF-100V	a	b	c	d	e
CASSETTE		X	C	0334	S0-102-800-500 CAP,CER 0.001U-50V	a	b	c	d	e
CASSETTE		O	C	0335	87-010-248-080 CAP,E 220-10V	a	b	c	d	e
CASSETTE		X	C	0336	S0-103-101-000 CAP,M 0.01UF-100V	a	b	c	d	e
CASSETTE		X	C	0337	S0-103-101-000 CAP,M 0.01UF-100V	a	b	c	d	e
CASSETTE		O	C	0338	S0-472-101-000 CAP,M 0.0047UF-100V	a	b	c	d	e
CASSETTE		O	C	0339	S0-102-101-000 CAP,M 0.001UF-100V	a	b	.	d	.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
CASSETTE		X	C	0339	S0-152-101-000 CAP,M 0.0015U-100V	.	.	c	.	e
CASSETTE		O	C	0340	87-010-248-080 CAP,E 220-10V	a	b	c	d	e
CASSETTE		X	C	0393	S0-331-100-500 CAP,CER 330PF-50V	a	b	c	d	e
CASSETTE		X	C	0394	S0-331-100-500 CAP,CER 330PF-50V	a	b	c	d	e
CASSETTE		X	CN	0301	S0-052-670-400 HEADER,MOLEX 4P	a	b	c	d	e
CASSETTE		O	D	0302	82-135-799-010 DIODE,IN4148	a	b	c	d	e
CASSETTE		O	D	0303	82-135-799-010 DIODE,IN4148	a	b	c	d	e
CASSETTE		O	IC	0301	87-020-636-010 IC,BA3308	a	b	c	d	e
CASSETTE		S	Q	0301	89-318-155-080 TR,2SC1815GR	a	b	c	d	e
CASSETTE		S	Q	0302	S6-805-000-000 TR,3DA8050	a	b	c	d	e
CASSETTE		S	Q	0303	89-318-155-080 TR,2SC1815GR	.	.	c	.	e
CASSETTE		X	R	0301	S0-823-510-160 RES,82K-1/16W	a	b	c	d	e
CASSETTE		X	R	0302	S0-224-510-160 RES,220K-1/16W	a	b	c	d	e
CASSETTE		X	R	0303	S0-823-510-160 RES,82K-1/16W	a	b	c	d	e
CASSETTE		X	R	0304	S0-101-510-160 RES,100-1/16W (1	a	b	c	d	e
CASSETTE		X	R	0305	S0-560-510-160 RES,56-1/16W	a	b	.	d	.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
CASSETTE		X	R	0306	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
CASSETTE		X	R	0307	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
CASSETTE		X	R	0308	S0-560-510-160 RES,56-1/16W	a	b	.	d	.
CASSETTE		X	R	0308	S0-680-510-160 RES,68-1/16W (1/	.	.	c	.	e
CASSETTE		X	R	0309	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
CASSETTE		X	R	0310	S0-223-510-160 RES,22K-1/16W (1	a	b	c	d	e
CASSETTE		X	R	0311	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
CASSETTE		X	R	0312	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
CASSETTE		X	R	0313	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
CASSETTE		X	R	0314	S0-682-510-160 RES,6.8K-1/16W	a	b	c	d	e
CASSETTE		X	R	0315	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
CASSETTE		X	R	0316	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
CASSETTE		X	R	0323	S0-223-510-160 RES,22K-1/16W (1	a	b	c	d	e
CASSETTE		X	R	0339	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
CASSETTE		X	R	0340	S0-470-510-160 RES,47-1/16W	a	b	c	d	e
CASSETTE		X	R	0341	S0-332-510-160 RES,3.3K-1/16W	a	b	c	d	e
CASSETTE		X	R	0342	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
CASSETTE		X	R	0343	S0-568-510-160 RES,5.6-1/16W	a	b	c	d	e
CASSETTE		X	R	0344	S0-221-510-160 RES,220-1/16W	a	b	c	d	e
CASSETTE		X	R	0395	S0-102-510-160 RES,1K-1/16W (1/	.	.	c	.	e
CASSETTE		X	R	0396	S0-472-510-160 RES,4.7K-1/16W	.	.	c	.	e
CASSETTE		O	SW	0301	S0-092-200-000 SW,REC 9P2T 2MM	a	b	c	d	e
CASSETTE		O	T	0301	S0-036-300-100 IFT,4A363R(B)	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
CASSETTE		O	VR	0301	S1-030-850-000 SFR,10K	a	b	c	d	e
CONTROL		O	CN	0603	SF-011-330-000 HSG(2mm) JST PHR-11 w/330mm B	a	b	c	d	e
CONTROL		O	CN	0604	SF-012-330-000 HSG(2mm) JST PHR-12 w/330mm B	a	b	c	d	e
CONTROL		O	LCD	0601	S0-043-050-000 LCD-P-06D-36x21SM018P #AIW430	a	b	c	d	e
CONTROL		X	R	0615	S0-223-510-160 RES,22K-1/16W (1	a	b	c	d	e
CONTROL		X	R	0616	S0-222-510-160 RES,2.2K-1/16W	a	b	c	d	e
CONTROL		X	R	0617	S0-222-510-160 RES,2.2K-1/16W	a	b	c	d	e
CONTROL		X	R	0618	S0-332-510-160 RES,3.3K-1/16W	a	b	c	d	e
CONTROL		X	R	0619	S0-562-510-160 RES,5.6K-1/16W	a	b	c	d	e
CONTROL		X	R	0620	S0-822-510-160 RES,8.2K-1/16W	a	b	c	d	e
CONTROL		O	S	0601	S2-200-410-010 SLIDE SW SS22D07G4/SS22D07G A	a	b	c	d	e
CONTROL		O	SW	0601	S1-141-650-000 (F021-KHH902-001) TACT SW EVQ	a	b	c	d	e
CONTROL		O	SW	0602	S1-141-650-000 (F021-KHH902-001) TACT SW EVQ	a	b	c	d	e
CONTROL		O	SW	0603	S1-141-650-000 (F021-KHH902-001) TACT SW EVQ	a	b	c	d	e
CONTROL		O	SW	0604	S1-141-650-000 (F021-KHH902-001) TACT SW EVQ	a	b	c	d	e
CONTROL		O	SW	0605	S1-141-650-000 (F021-KHH902-001) TACT SW EVQ	a	b	c	d	e
CONTROL		O	SW	0606	S1-141-650-000 (F021-KHH902-001) TACT SW EVQ	a	b	c	d	e
MAIN		X	C	0102	S0-104-800-160 CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C	0103	S0-103-800-500 CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C	0104	S4-120-500-500 CAP,CER 12PF-50V	a	b	c	d	e

ELECTRICAL PARTS LIST -2/9

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						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0105	S4-471-500-500	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0106	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0107	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0108	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0109	S0-102-800-500	CAP,CER 0.001U-50V	a	b	c	d	e
MAIN		X	C 0110	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0111	S4-808-300-500	CAP,CER 8PF-50V	a	b	c	d	e
MAIN		X	C 0112	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0113	S4-471-500-500	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0114	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0115	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0117	S4-120-500-500	CAP,CER 12PF-50V	a	b	c	d	e
MAIN		X	C 0118	S4-308-300-500	CAP,CER 3PF-50V	a	b	c	d	e
MAIN		X	C 0119	S0-331-100-500	CAP,CER 330PF-50V	a	b	c	d	e
MAIN		X	C 0120	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0121	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0122	87-010-053-810	CAP,E 1-50V	a	b	c	d	e
MAIN		X	C 0123	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0124	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0125	S0-153-501-000	CAP,M 0.015UF-100V	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0126	S0-153-501-000	CAP,M 0.015UF-100V	a	b	c	d	e
MAIN		O	C 0127	87-010-545-010	CAP,E 0.22-50V	a	b	c	d	e
MAIN		O	C 0128	87-010-545-010	CAP,E 0.22-50V	a	b	c	d	e
MAIN		X	C 0129	S4-300-500-500	CAP,CER 30PF-50V	a	b	c	d	e
MAIN		X	C 0130	S4-200-500-500	CAP,CER 20P-50V	a	b	c	d	e
MAIN		X	C 0131	S4-240-500-500	CAP,CER 24P-50V	a	b	c	d	e
MAIN		X	C 0132	S0-102-800-500	CAP,CER 0.001U-50V	a	b	c	d	e
MAIN		X	C 0133	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0134	S0-102-800-500	CAP,CER 0.001U-50V	a	b	c	d	e
MAIN		X	C 0135	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0136	S0-101-100-500	CAP,CER 100P-50V	a	b	c	d	e
MAIN		X	C 0137	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0138	S0-101-100-500	CAP,CER 100P-50V	a	b	c	d	e
MAIN		X	C 0139	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0140	S0-408-400-500	CAP,CER 4P-50V	a	b	c	d	e
MAIN		X	C 0141	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0142	87-010-375-010	CAP,E 330-10V	a	b	c	d	e
MAIN		X	C 0143	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0145	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0146	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0147	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0148	S0-100-500-500	CAP,CER 10PF-50V	a	b	c	d	e
MAIN		X	C 0149	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0150	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0151	S0-101-100-500	CAP,CER 100P-50V	a	b	c	d	e
MAIN		X	C 0152	S0-101-100-500	CAP,CER 100P-50V	a	b	c	d	e
MAIN		X	C 0155	S4-240-500-500	CAP,CER 24P-50V	a	b	c	d	e
MAIN		X	C 0156	S4-240-500-500	CAP,CER 24P-50V	a	b	c	d	e
MAIN		X	C 0157	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0158	S0-103-800-500	CAP,CER 0.01U	.	.	c	.	e
MAIN		X	C 0159	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0160	87-010-404-010	CAP,E 4.7-50V	a	b	c	d	e
MAIN		O	C 0162	87-010-400-010	CAP,E 0.47-50V	a	b	.	d	.
MAIN		O	C 0162	87-010-404-010	CAP,E 4.7-50V	.	.	c	.	e
MAIN		O	C 0163	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		O	C 0164	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0165	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0166	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0167	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0168	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		O	C 0171	87-010-375-010	CAP,E 330-10V	.	.	c	.	e
MAIN		O	C 0172	87-010-375-010	CAP,E 330-10V	.	.	c	.	e
MAIN		X	C 0175	S0-104-800-160	CAP,CER 0.1-16V	.	.	c	.	e
MAIN		X	C 0176	S0-101-100-500	CAP,CER 100P-50V	.	.	c	.	e
MAIN		X	C 0177	S2-104-810-500	CAP,CER 0.1UF-50V	.	.	c	.	e
MAIN		O	C 0178	87-010-263-080	CAP,E 100-10V	a	b	.	d	.
MAIN		O	C 0178	87-010-037-010	CAP,E 10-50V	.	.	c	.	e
MAIN		X	C 0323	87-010-053-810	CAP,E 1-50V	a	b	c	d	e
MAIN		X	C 0324	87-010-053-810	CAP,E 1-50V	a	b	c	d	e
MAIN		O	C 0330	87-010-045-010	CAP,E 100-25V	a	b	c	d	e
MAIN		O	C 0361	87-010-101-080	CAP,E 220-16V	a	b	c	d	e
MAIN		O	C 0362	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0401	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0402	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		O	C 0403	87-010-404-010	CAP,E 4.7-50V	a	b	c	d	e
MAIN		O	C 0404	87-010-404-010	CAP,E 4.7-50V	a	b	c	d	e
MAIN		X	C 0405	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0406	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0407	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		O	C 0408	87-010-380-010	CAP,E 47-16V	a	b	c	d	e

ELECTRICAL PARTS LIST -3/9

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0409	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0410	87-010-380-010	CAP,E 47-16V	a	b	c	d	e
MAIN		X	C 0411	S0-470-100-500	CAP,CER 47PF-50V	a	b	c	d	e
MAIN		O	C 0414	87-010-380-010	CAP,E 47-16V	a	b	c	d	e
MAIN		O	C 0415	S3-153-100-250	CAP,S 0.015UF-25V	a	b	c	d	e
MAIN		X	C 0416	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0417	88-266-680-810	CAP,0.0027UF-25V	a	b	c	d	e
MAIN		X	C 0418	88-266-680-810	CAP,0.0027UF-25V	a	b	c	d	e
MAIN		X	C 0419	S3-682-200-250	CAP,S 0.0068 uF/25V +-20%	a	b	c	d	e
MAIN		X	C 0420	S0-473-800-500	CAP,CER 0.047UF-50V	a	b	c	d	e
MAIN		X	C 0421	S0-473-800-500	CAP,CER 0.047UF-50V	a	b	c	d	e
MAIN		X	C 0422	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0423	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0424	S0-473-800-500	CAP,CER 0.047UF-50V	a	b	c	d	e
MAIN		X	C 0425	S0-473-800-500	CAP,CER 0.047UF-50V	a	b	c	d	e
MAIN		X	C 0426	S0-150-100-500	CAP,CER 15PF-50V	a	b	c	d	e
MAIN		X	C 0427	S0-150-100-500	CAP,CER 15PF-50V	a	b	c	d	e
MAIN		X	C 0428	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0429	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		O	C 0430	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		O	C 0431	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0432	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0433	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		O	C 0434	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0435	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		O	C 0436	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0437	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		O	C 0438	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0439	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0441	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0442	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		O	C 0443	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0444	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0446	87-010-221-010	CAP,E 470-10V	a	b	c	d	e
MAIN		X	C 0447	S0-104-800-160	CAP,CER 0.1-16V	.	.	c	.	e
MAIN		X	C 0448	S0-104-800-160	CAP,CER 0.1-16V	.	.	c	.	e
MAIN		X	C 0452	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0453	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0454	87-A12-370-080	CAP,M 0.033UF-100V	a	b	c	d	e
MAIN		X	C 0455	S0-390-100-500	CAP,CER 39PF-50V	a	b	.	d	.
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0455	S0-560-100-500	CAP,CER 56PF-50V	.	.	c	.	e
MAIN		X	C 0460	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0461	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0462	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0463	S0-473-101-000	CAP,M 0.047UF-100V	.	.	c	.	e
MAIN		O	C 0464	S0-473-101-000	CAP,M 0.047UF-100V	.	.	c	.	e
MAIN		O	C 0468	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		O	C 0601	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		O	C 0602	87-010-221-010	CAP,E 470-10V	a	b	c	d	e
MAIN		X	C 0603	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0604	87-010-248-080	CAP,E 220-10V	a	b	.	d	.
MAIN		O	C 0604	87-010-375-010	CAP,E 330-10V	.	.	c	.	e
MAIN		O	C 0606	87-010-545-010	CAP,E 0.22-50V	a	b	c	d	e
MAIN		O	C 0607	87-010-035-010	CAP,E 2.2-50V	a	b	c	d	e
MAIN		X	C 0608	S4-330-500-500	CAP,CER 33P-50V	a	b	c	d	e
MAIN		X	C 0609	S4-330-500-500	CAP,CER 33P-50V	a	b	c	d	e
MAIN		X	C 0610	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		X	C 0612	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0613	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		X	C 0614	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0617	S0-103-800-500	CAP,CER 0.01U	a	b	c	d	e
MAIN		O	C 0619	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		O	C 0620	87-010-403-010	CAP,E 3.3-50V	a	b	c	d	e
MAIN		X	C 0621	S0-104-800-160	CAP,CER 0.1-16V	.	.	c	.	e
MAIN		X	C 0622	S0-104-800-160	CAP,CER 0.1-16V	.	.	c	.	e
MAIN		X	C 0623	S2-104-810-500	CAP,CER 0.1UF-50V	.	.	c	.	e
MAIN		X	C 0624	S2-104-810-500	CAP,CER 0.1UF-50V	.	.	c	.	e
MAIN		X	C 0648	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0649	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0650	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0651	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0652	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0653	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0654	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0655	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0656	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0657	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0658	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0659	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0660	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e

ELECTRICAL PARTS LIST -4/9

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0661	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0662	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0663	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0664	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0665	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0801	S0-222-101-000	CAP,M 0.0022UF-100V	a	b	.	d	.
MAIN		O	C 0801	S0-102-101-000	CAP,M 0.001UF-100V	.	.	c	.	e
MAIN		X	C 0802	S0-222-101-000	CAP,M 0.0022UF-100V	a	b	.	d	.
MAIN		O	C 0802	S0-102-101-000	CAP,M 0.001UF-100V	.	.	c	.	e
MAIN		X	C 0805	87-010-053-810	CAP,E 1-50V	a	b	.	d	.
MAIN		O	C 0805	87-010-544-010	CAP,E 0.1-50V	.	.	c	.	e
MAIN		X	C 0806	87-010-053-810	CAP,E 1-50V	a	b	.	d	.
MAIN		O	C 0806	87-010-544-010	CAP,E 0.1-50V	.	.	c	.	e
MAIN		X	C 0807	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		X	C 0808	S0-471-100-510	CAP,CER 470PF-50V	a	b	c	d	e
MAIN		O	C 0809	87-A10-216-080	CAP,E 47-25V	a	b	.	d	.
MAIN		O	C 0809	87-010-038-010	CAP,E 22-25V	.	.	c	.	e
MAIN		O	C 0810	87-A10-216-080	CAP,E 47-25V	a	b	.	d	.
MAIN		O	C 0810	87-010-038-010	CAP,E 22-25V	.	.	c	.	e
MAIN		O	C 0811	87-010-263-080	CAP,E 100-10V	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		O	C 0812	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		O	C 0813	87-010-101-080	CAP,E 220-16V	a	b	.	d	.
MAIN		O	C 0813	S0-331-002-5C0	CAP,E 330-25V	.	.	c	.	e
MAIN		O	C 0814	87-010-101-080	CAP,E 220-16V	a	b	.	d	.
MAIN		O	C 0814	S0-331-002-5C0	CAP,E 330-25V	.	.	c	.	e
MAIN		X	C 0815	S2-104-810-500	CAP,CER 0.1UF-50V	.	.	c	.	e
MAIN		O	C 0817	S0-224-101-000	CAP,M 0.22UF-100V	a	b	c	d	e
MAIN		O	C 0818	S0-224-101-000	CAP,M 0.22UF-100V	a	b	c	d	e
MAIN		O	C 0819	87-010-101-080	CAP,E 220-16V	a	b	c	d	e
MAIN		O	C 0820	87-010-388-010	CAP,E 1000-25V	a	b	c	d	e
MAIN		O	C 0821	87-010-035-010	CAP,E 2.2-50V	a	b	c	d	e
MAIN		O	C 0828	87-010-038-010	CAP,E 22-25V	a	b	c	d	e
MAIN		X	C 0840	S0-104-800-160	CAP,CER 0.1-16V	.	.	c	.	e
MAIN		O	C 0841	87-010-263-080	CAP,E 100-10V	.	.	c	.	e
MAIN		X	C 0856	87-010-053-810	CAP,E 1-50V	a	b	c	d	e
MAIN		O	C 0857	87-010-237-010	CAP,E 1000-16V	a	b	c	d	e
MAIN		O	C 0858	87-010-906-010	CAP,E 2200-25V	a	b	c	d	e
MAIN		O	C 0872	87-010-263-080	CAP,E 100-10V	a	b	c	d	e
MAIN		X	C 0873	87-010-053-810	CAP,E 1-50V	a	b	.	d	.
MAIN		O	C 0873	87-010-546-080	CAP,E 0.33-50V	.	.	c	.	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0874	87-010-053-810	CAP,E 1-50V	a	b	.	d	.
MAIN		O	C 0874	87-010-546-080	CAP,E 0.33-50V	.	.	c	.	e
MAIN		O	C 0877	S0-473-101-000	CAP,M 0.047UF-100V	a	b	.	d	.
MAIN		O	C 0877	S0-393-101-000	CAP,M 0.039UF	.	.	c	.	e
MAIN		O	C 0878	S0-473-101-000	CAP,M 0.047UF-100V	a	b	.	d	.
MAIN		O	C 0878	S0-393-101-000	CAP,M 0.039UF	.	.	c	.	e
MAIN		X	C 0885	87-010-053-810	CAP,E 1-50V	a	b	.	d	.
MAIN		O	C 0885	87-010-546-080	CAP,E 0.33-50V	.	.	c	.	e
MAIN		X	C 0886	87-010-053-810	CAP,E 1-50V	a	b	.	d	.
MAIN		O	C 0886	87-010-546-080	CAP,E 0.33-50V	.	.	c	.	e
MAIN		O	C 0889	87-010-403-010	CAP,E 3.3-50V	a	b	c	d	e
MAIN		O	C 0890	87-010-035-010	CAP,E 2.2-50V	a	b	.	d	.
MAIN		O	C 0890	87-010-546-080	CAP,E 0.33-50V	.	.	c	.	e
MAIN		O	C 0891	87-010-035-010	CAP,E 2.2-50V	a	b	.	d	.
MAIN		O	C 0891	87-010-546-080	CAP,E 0.33-50V	.	.	c	.	e
MAIN		X	C 0892	S0-104-800-160	CAP,CER 0.1-16V	a	b	c	d	e
MAIN		O	C 0893	87-010-263-080	CAP,E 100-10V	.	.	c	.	e
MAIN		X	C 0894	S0-220-100-500	CAP,CER 22PF-50V	a	b	c	d	e
MAIN		X	C 0895	S0-220-100-500	CAP,CER 22PF-50V	a	b	c	d	e
MAIN		X	C 0896	S0-220-100-500	CAP,CER 22PF-50V	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	C 0897	S0-220-100-500	CAP,CER 22PF-50V	a	b	c	d	e
MAIN		O	C0N0402	S0-206-682-000	HSG CD668R-2A JST PHR 2mm WIT	a	b	c	d	e
MAIN		O	CD 0402	S0-601-89B-010	HSG CD189-55-6B(C) PEC 2001H-	a	b	c	d	e
MAIN		O	CF 0101	S0-004-500-000	CER,FIL SFU450B	a	.	c	.	e
MAIN		O	CF 0102	87-A90-988-010	C-FIL KMFC5153T6-Z	a	b	c	d	e
MAIN		O	CF 0103	87-A90-988-010	C-FIL KMFC5153T6-Z	a	b	c	d	e
MAIN		O	CN 0402	SP-HS0-200-200	HEADER CTL 2 PINS PHS-02 PITC	a	b	c	d	e
MAIN		O	CN 0405	S0-061-161-600	FFC CONN SOCKET 16PINS P:1mm	a	b	c	d	e
MAIN		X	CN 0501	S0-052-670-400	HEADER,MOLEX 4P	a	b	c	d	e
MAIN		O	CN 0601	SP-HS1-201-200	HEADER CTL 12 PINS PHS-12 PIT	a	b	c	d	e
MAIN		O	CN 0602	SP-HS1-101-100	HEADER,CTL 11P	a	b	c	d	e
MAIN		X	CN 0801	S0-052-670-400	HEADER,MOLEX 4P	a	b	c	d	e
MAIN		X	CN 0851	S0-052-670-300	HEADER,MOLEX 3P	a	b	c	d	e
MAIN		O	CNH0002	S0-401-68C-010	HSG CD168-103(C) PEC 2507-H-4	a	b	c	d	e
MAIN		O	CON0501	S0-423-152-500	HSG 2315-4C MOLEX 5264 w/300m	a	b	c	d	e
MAIN		O	CON0801	S0-476-9C2-500	HSG 769C-4 PINS MOLEX 5264 YE	a	b	c	d	e
MAIN		O	D 0101	87-A40-618-080	VARI-CAP,SVC348	a	b	c	d	e
MAIN		O	D 0102	S0-001-010-000	DIODE,1SV101	a	b	c	d	e
MAIN		O	D 0103	S0-001-010-000	DIODE,1SV101	a	b	c	d	e
MAIN		O	D 0104	82-135-799-010	DIODE,IN4148	a	b	.	d	.

ELECTRICAL PARTS LIST -5/9

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		O	D 0105	82-135-799-010	DIODE,IN4148	a	b	.	d	.
MAIN		O	D 0106	82-135-799-010	DIODE,IN4148	a	b	c	d	e
MAIN		S	D 0108	87-A40-346-080	ZENER,MTZJ8.2C	a	b	c	d	e
MAIN		O	D 0361	82-135-799-010	DIODE,IN4148	a	b	c	d	e
MAIN		O	D 0362	82-135-799-010	DIODE,IN4148	a	b	c	d	e
MAIN		S	D 0363	S0-100-821-230	ZENER DIODE 8.2V #MTZJ8.2A 1/	a	b	c	d	e
MAIN		O	D 0604	87-020-465-080	DIODE,1SS133	a	b	c	d	e
MAIN		O	D 0605	87-020-465-080	DIODE,1SS133	a	b	c	d	e
MAIN		O	FFC0001	S1-601-001-010	FFC FLAT CABLE 16P	a	b	c	d	e
MAIN		S	IC 0101	S8-321-110-010	IC TA2111N (TOSHIBA)	a	b	c	d	e
MAIN		O	IC 0102	87-A21-928-010	IC,LC72131D/-N	a	b	c	d	e
MAIN		S	IC 0401	S2-114-690-000	IC MM1469XH	a	b	c	d	e
MAIN		S	IC 0402	87-A22-261-040	IC,TA2109F	a	b	.	d	.
MAIN		S	IC 0402	S8-321-090-000	IC,TA2109F	.	.	c	.	e
MAIN		S	IC 0601	8C-CHC-610-030	IC,TC94A23F-701	a	b	.	d	.
MAIN		S	IC 0601	8C-CHC-614-030	IC,TC94A23F-704	.	.	c	.	e
MAIN		O	IC 0801	S8-382-270-000	IC,TA8227P	a	b	c	d	e
MAIN		O	Jw 0130	87-003-143-010	INDUCTOR,4.7UH	.	.	c	.	e
MAIN		O	L 0101	S0-061-200-100	IFT,1A612R	a	b	c	d	e
MAIN		X	L 0102	S0-400-450-080	FM,COIL 4T 4.5MM	a	b	.	d	.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		O	L 0102	SZ-CM2-661-010	FM COIL 4T,5mm,DIA:0.8mm (CS5	.	.	c	.	e
MAIN		O	L 0103	S8-493-840-000	ANT COIL ASSY ARA8-849384 w/B	a	b	c	d	e
MAIN		O	L 0105	87-A50-565-010	FM COIL,4.5T 4.8MM DIA:0.7MM	a	b	c	d	e
MAIN		O	L 0107	87-003-143-010	INDUCTOR,4.7UH	a	b	.	d	.
MAIN		O	L 0108	SZ-CM2-662-010	FM COIL 3T,5mm,DIA:0.8mm (CS5	a	b	c	d	e
MAIN		O	L 0110	87-003-143-010	INDUCTOR,4.7UH	a	b	c	d	e
MAIN		O	L 0403	87-005-196-080	INDUCTOR,10UH	a	b	c	d	e
MAIN		O	L 0405	87-005-196-080	INDUCTOR,10UH	a	b	.	d	.
MAIN		O	L 0406	87-005-196-080	INDUCTOR,10UH	a	b	.	d	.
MAIN		O	L 0601	87-003-143-010	INDUCTOR,4.7UH	a	b	c	d	e
MAIN		O	L 0602	87-003-143-010	INDUCTOR,4.7UH	a	b	c	d	e
MAIN		O	M 0501	S1-212-240-020	MOTOR-DC-01(F151-121224-000)	a	b	c	d	e
MAIN		S	Q 0101	SA-001-146-000	TR,DTC114YSA	a	b	c	d	e
MAIN		O	Q 0102	87-026-447-080	TR,2SC1740S	a	b	c	d	e
MAIN		S	Q 0103	89-110-155-010	TR,2SA1015-GR	a	b	c	d	e
MAIN		O	Q 0104	87-026-214-080	TR,DTA114YS	a	b	.	d	.
MAIN		O	Q 0104	87-026-572-080	TR,DTA114TS	.	.	c	.	e
MAIN		S	Q 0105	89-318-155-080	TR,2SC1815GR	a	b	c	d	e
MAIN		S	Q 0106	89-318-155-080	TR,2SC1815GR	a	b	c	d	e
MAIN		O	Q 0107	86-NFZ-657-080	TR,2SC1923(O)	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		O	Q 0108	86-NFZ-657-080	TR,2SC1923(O)	a	b	c	d	e
MAIN		O	Q 0109	87-026-214-080	TR,DTA114YS	a	b	c	d	e
MAIN		O	Q 0110	87-026-214-080	TR,DTA114YS	a	b	c	d	e
MAIN		O	Q 0111	87-026-572-080	TR,DTA114TS	a	b	c	d	e
MAIN		S	Q 0361	S6-901-200-000	TR,3CG9012	a	b	c	d	e
MAIN		S	Q 0362	S4-193-600-000	TR,2SD1936T/U	a	b	c	d	e
MAIN		S	Q 0403	S1-019-790-000	TR,2SA1979O	a	b	c	d	e
MAIN		S	Q 0404	S1-019-790-000	TR,2SA1979O	a	b	c	d	e
MAIN		S	Q 0602	S6-805-000-000	TR,3DA8050	a	b	c	d	e
MAIN		S	Q 0603	89-318-155-080	TR,2SC1815GR	a	b	c	d	e
MAIN		S	Q 0604	89-318-155-080	TR,2SC1815GR	a	b	c	d	e
MAIN		O	Q 0605	87-026-291-010	TR,DTC124XS	a	b	c	d	e
MAIN		O	Q 0801	S9-025-410-000	TR,2SK2541-T/2SK2541 (	a	b	c	d	e
MAIN		O	Q 0802	S9-025-410-000	TR,2SK2541-T/2SK2541 (	a	b	c	d	e
MAIN		O	Q 0803	S9-025-410-000	TR,2SK2541-T/2SK2541 (	a	b	c	d	e
MAIN		O	Q 0804	S9-025-410-000	TR,2SK2541-T/2SK2541 (	a	b	c	d	e
MAIN		S	Q 0807	89-318-155-080	TR,2SC1815GR	a	b	c	d	e
MAIN		S	Q 0808	89-318-155-080	TR,2SC1815GR	a	b	c	d	e
MAIN		O	Q 0809	S9-025-410-000	TR,2SK2541-T/2SK2541 (	a	b	c	d	e
MAIN		O	Q 0810	S9-025-410-000	TR,2SK2541-T/2SK2541 (	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		O	Q 0851	S2-015-661-000	TR,B1566E (LIGHTNING)	a	b	c	d	e
MAIN		S	Q 0852	S6-805-000-000	TR,3DA8050	a	b	c	d	e
MAIN		S	Q 0853	89-110-155-010	TR,2SA1015-GR	a	b	c	d	e
MAIN		S	Q 0854	89-318-155-080	TR,2SC1815GR	a	b	c	d	e
MAIN		X	R 0101	S0-102-510-160	RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R 0102	S0-104-510-160	RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R 0103	S0-330-510-160	RES,33-1/16W	a	b	c	d	e
MAIN		X	R 0104	S0-102-510-160	RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R 0105	S0-473-510-160	RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R 0106	S0-100-510-160	RES,10-1/16W (1/	a	b	c	d	e
MAIN		X	R 0107	S0-472-510-160	RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R 0108	S0-100-510-160	RES,10-1/16W (1/	a	b	c	d	e
MAIN		X	R 0109	S0-221-510-160	RES,220-1/16W	a	b	c	d	e
MAIN		X	R 0110	S0-221-510-160	RES,220-1/16W	a	b	c	d	e
MAIN		X	R 0111	S0-223-510-160	RES,22K-1/16W (1	a	b	c	d	e
MAIN		X	R 0112	S0-102-510-160	RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R 0113	S0-472-510-160	RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R 0114	S0-104-510-160	RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R 0115	S0-221-510-160	RES,220-1/16W	a	b	c	d	e
MAIN		X	R 0116	S0-104-510-160	RES,100K-1/16W (	a	b	c	d	e

ELECTRICAL PARTS LIST -6/9

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	R	0117	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0118	S0-222-510-160 RES,2.2K-1/16W	a	b	c	d	e
MAIN		X	R	0119	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0121	S0-331-510-160 RES,330-1/16W (1	a	b	c	d	e
MAIN		X	R	0122	S0-104-510-160 RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R	0123	S0-104-510-160 RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R	0124	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0125	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0126	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0128	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0129	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0130	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0131	S0-121-510-160 RES,120-1/16W	a	b	c	d	e
MAIN		X	R	0132	S0-562-510-160 RES,5.6K-1/16W	a	b	c	d	e
MAIN		X	R	0133	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0134	S0-681-510-160 RES,680-1/16W (1	a	b	c	d	e
MAIN		X	R	0136	S0-104-510-160 RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R	0137	S0-104-510-160 RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R	0141	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0142	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	R	0143	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0144	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0145	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0146	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0147	S0-222-510-160 RES,2.2K-1/16W	a	b	c	d	e
MAIN		X	R	0150	S0-332-510-160 RES,3.3K-1/16W	a	b	c	d	e
MAIN		X	R	0161	S0-100-510-160 RES,10-1/16W (1/	a	b	c	d	e
MAIN		X	R	0168	S0-393-510-160 RES,39K-1/16W (1	a	b	c	d	e
MAIN		X	R	0169	S0-393-510-160 RES,39K-1/16W (1	a	b	c	d	e
MAIN		X	R	0317	S0-333-510-160 RES,33K-1/16W (1	a	b	c	d	e
MAIN		X	R	0318	S0-333-510-160 RES,33K-1/16W (1	a	b	c	d	e
MAIN		X	R	0319	S0-682-510-160 RES,6.8K-1/16W	a	b	c	d	e
MAIN		X	R	0321	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0322	S0-681-510-160 RES,680-1/16W (1	a	b	c	d	e
MAIN		X	R	0361	S0-182-510-160 RES,1.8K-1/16W	a	b	c	d	e
MAIN		X	R	0362	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0363	S0-221-510-160 RES,220-1/16W	a	b	c	d	e
MAIN		X	R	0364	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0405	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0406	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	R	0407	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0408	S0-152-500-160 RES,1.5K-1/16W	a	b	c	d	e
MAIN		X	R	0409	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0410	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0411	S0-224-510-160 RES,220K-1/16W	a	b	c	d	e
MAIN		X	R	0412	S0-333-510-160 RES,33K-1/16W (1	a	b	c	d	e
MAIN		X	R	0413	S0-562-510-160 RES,5.6K-1/16W	a	b	c	d	e
MAIN		X	R	0416	S0-101-510-160 RES,100-1/16W (1	a	b	c	d	e
MAIN		X	R	0417	S0-100-510-160 RES,10-1/16W (1/	a	b	c	d	e
MAIN		X	R	0418	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0419	S0-124-510-160 RES,120K-1/16W (	a	b	c	d	e
MAIN		X	R	0420	S0-124-510-160 RES,120K-1/16W (	a	b	c	d	e
MAIN		X	R	0421	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0422	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0423	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0424	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0425	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0426	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0427	S0-222-510-160 RES,2.2K-1/16W	a	b	c	d	e
MAIN		X	R	0428	S0-683-510-160 RES,68K-1/16W (1/8W)	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	R	0429	S0-273-510-160 RES,27K-1/16W	a	b	c	d	e
MAIN		X	R	0431	S0-333-510-160 RES,33K-1/16W (1	a	b	c	d	e
MAIN		X	R	0432	S0-393-510-160 RES,39K-1/16W (1	a	b	c	d	e
MAIN		X	R	0437	S0-228-500-120 RES,2.2-1/2W	a	b	c	d	e
MAIN		X	R	0439	S0-122-510-160 RES,1.2K-1/16W (	a	b	c	d	e
MAIN		X	R	0440	S0-101-510-160 RES,100-1/16W (1	a	b	c	d	e
MAIN		X	R	0441	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0443	S0-101-510-160 RES,100-1/16W (1	a	b	c	d	e
MAIN		X	R	0446	S0-122-510-160 RES,1.2K-1/16W (	a	b	.	d	.
MAIN		X	R	0447	S0-103-510-160 RES,10K-1/16W (1	a	b	.	d	.
MAIN		X	R	0447	S0-392-510-160 RES,3.9K-1/16W (1/8W	.	.	c	.	e
MAIN		X	R	0449	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0462	S0-100-510-160 RES,10-1/16W (1/	a	b	c	d	e
MAIN		X	R	0463	S0-100-510-160 RES,10-1/16W (1/	a	b	c	d	e
MAIN		X	R	0465	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0466	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0470	S0-154-510-160 RES,150K-1/16W (	a	b	c	d	e
MAIN		X	R	0471	S0-154-510-160 RES,150K-1/16W (	a	b	c	d	e
MAIN		X	R	0475	S0-478-501-120 RES,4.7-1/2W	a	b	c	d	e
MAIN		X	R	0602	S0-822-510-160 RES,8.2K-1/16W	a	b	.	d	.

ELECTRICAL PARTS LIST -7/9

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	R	0602	S0-682-510-160 RES,6.8K-1/16W	.	.	c	.	e
MAIN		X	R	0603	S0-228-511-120 RES,2.2-1/2W 8 T	.	b	c	d	e
MAIN		X	R	0604	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0608	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0609	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0610	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0611	S0-104-510-160 RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R	0623	S0-224-510-160 RES,220K-1/16W	a	b	c	d	e
MAIN		X	R	0636	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0637	S0-333-510-160 RES,33K-1/16W (1	a	b	c	d	e
MAIN		X	R	0639	S0-334-510-160 RES,330K-1/16W	a	b	c	d	e
MAIN		X	R	0652	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0653	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0654	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0655	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0656	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0657	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0658	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0659	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0660	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	R	0661	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0662	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0663	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0664	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0665	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0666	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0667	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0668	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0669	S3-101-520-160 C-RES,100-1/1	a	b	c	d	e
MAIN		X	R	0705	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0706	S0-152-500-160 RES,1.5K-1/16W	a	b	c	d	e
MAIN		X	R	0707	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0708	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0709	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0710	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0711	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0801	S0-153-510-160 RES,15K-1/16W (1	a	b	c	d	e
MAIN		X	R	0802	S0-153-510-160 RES,15K-1/16W (1	a	b	c	d	e
MAIN		X	R	0803	S0-332-510-160 RES,3.3K-1/16W	a	b	c	d	e
MAIN		X	R	0804	S0-332-510-160 RES,3.3K-1/16W	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	R	0805	S0-103-510-160 RES,10K-1/16W (1	a	b	.	d	.
MAIN		X	R	0805	S0-822-510-160 RES,8.2K-1/16W	.	.	.	.	e
MAIN		X	R	0806	S0-103-510-160 RES,10K-1/16W (1	a	b	.	d	.
MAIN		X	R	0806	S0-822-510-160 RES,8.2K-1/16W	.	.	c	.	e
MAIN		X	R	0808	S0-223-510-160 RES,22K-1/16W (1	a	b	c	d	e
MAIN		X	R	0811	S0-560-510-160 RES,56-1/16W	a	b	.	d	.
MAIN		X	R	0811	S0-101-510-160 RES,100-1/16W (1	.	.	c	.	e
MAIN		X	R	0812	S0-560-510-160 RES,56-1/16W	a	b	.	d	.
MAIN		X	R	0812	S0-101-510-160 RES,100-1/16W (1	.	.	c	.	e
MAIN		X	R	0813	S0-228-500-140 RES,2.2-1/4W	a	b	c	d	e
MAIN		X	R	0814	S0-228-500-140 RES,2.2-1/4W	a	b	c	d	e
MAIN		X	R	0818	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0819	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0848	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0849	S0-472-510-160 RES,4.7K-1/16W	a	b	c	d	e
MAIN		X	R	0850	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0851	S0-103-510-160 RES,10K-1/16W (1	a	b	c	d	e
MAIN		X	R	0852	S0-471-510-160 RES,470-1/16W	a	b	c	d	e
MAIN		X	R	0855	S0-104-510-160 RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R	0856	S0-104-510-160 RES,100K-1/16W (	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		X	R	0857	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0858	S0-473-510-160 RES,47K-1/16W (1	a	b	c	d	e
MAIN		X	R	0859	S0-222-510-160 RES,2.2K-1/16W	a	b	c	d	e
MAIN		X	R	0860	S0-222-510-160 RES,2.2K-1/16W	a	b	c	d	e
MAIN		X	R	0861	S0-152-500-160 RES,1.5K-1/16W	a	b	c	d	e
MAIN		X	R	0862	S0-152-500-160 RES,1.5K-1/16W	a	b	c	d	e
MAIN		X	R	0865	S0-392-510-160 RES,3.9K-1/16W (1/8W	a	b	.	d	.
MAIN		X	R	0865	S0-682-510-160 RES,6.8K-1/16W	.	.	c	.	e
MAIN		X	R	0866	S0-392-510-160 RES,3.9K-1/16W (1/8W	a	b	.	d	.
MAIN		X	R	0866	S0-682-510-160 RES,6.8K-1/16W	.	.	c	.	e
MAIN		X	R	0867	S0-152-500-160 RES,1.5K-1/16W	a	b	c	d	e
MAIN		X	R	0868	S0-152-500-160 RES,1.5K-1/16W	a	b	c	d	e
MAIN		X	R	0869	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0870	S0-102-510-160 RES,1K-1/16W (1/	a	b	c	d	e
MAIN		X	R	0871	S0-104-510-160 RES,100K-1/16W (	a	b	c	d	e
MAIN		X	R	0872	S0-471-510-160 RES,470-1/16W	a	b	c	d	e
MAIN		X	R	0873	S0-102-510-160 RES,1K-1/16W (1/	a	b	.	d	e
MAIN		X	R	0874	S0-102-510-160 RES,1K-1/16W (1/	a	b	.	d	e
MAIN		X	R	0875	S0-154-510-160 RES,150K-1/16W (	a	b	c	d	e
MAIN		O	SPK0001	S4-080-020-140	SPK00004"008OHM0002W w/RED CO	a	b	c	d	.

ELECTRICAL PARTS LIST -8/9

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

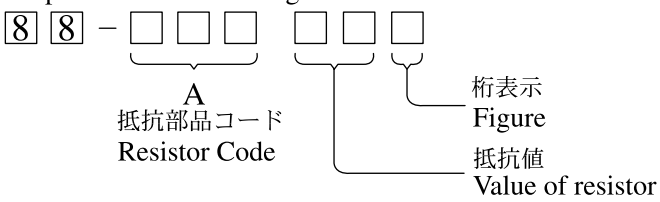
UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
MAIN		O	SPK0001	S4-080-020-150	SPK,8OHM 2W	.	.	.	.	e
MAIN		O	SPK0002	S4-080-020-140	SPK00004"008OHM0002W w/RED CO	a	b	c	d	.
MAIN		O	SPK0002	S4-080-020-150	SPK,8OHM 2W	.	.	.	.	e
MAIN		O	SW 0401	S0-011-200-020	LEAF SWITCH LSA-1120Y2	a	b	c	d	e
MAIN		O	SW 0802	S4-300-710-030	SW,SLIDE 4P3T	a	b	c	d	e
MAIN		O	T 0106	S0-022-400-100	IFT,4A-224R,10mm	a	b	c	d	e
MAIN		O	TC 0101	S2-006-100-000	TRIMMER CAP CVN610 3-10pF WHI	a	b	c	d	e
MAIN		O	VR 0802	SD-165-031-020	RES,VARIABLE 50KA	a	b	c	d	e
MAIN		O	X 0101	87-A70-061-010	X'TAL,4.5 MHz(CSA309)	a	b	c	d	e
MAIN		O	X 0401	S0-016-930-050	CER,RESO 16.93 MHz ZT	a	b	c	d	e
MAIN		O	X 0601	87-030-349-010	X'TAL,75KHZ	a	b	c	d	e
MAIN		O	ZD 0601	S0-100-621-210	ZENER,BZX55-C6V2 6.2V	a	b	c	d	e
MIAN		O	D 0606	87-020-465-080	DIODE,1SS133	a	b	c	d	e
MIAN		O	D 0607	87-020-465-080	DIODE,1SS133	a	b	c	d	e
MIAN		O	D 0608	87-020-465-080	DIODE,1SS133	a	b	c	d	e
MIAN		O	D 0609	87-020-465-080	DIODE,1SS133	a	b	c	d	e
MIAN		O	D 0610	87-020-465-080	DIODE,1SS133	a	b	c	d	e
MIAN		O	D 0808	82-135-799-010	DIODE,IN4148	a	b	c	d	e
MIAN		O	D 0855	82-135-799-010	DIODE,IN4148	.	.	c	.	e
MIAN		O	D D856	82-135-799-010	DIODE,IN4148	a	b	c	d	e

						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
RECTIFIER		X	C 0601	S0-203-800-500	CAP,CER 0.02U-50V	a	b	c	d	e
RECTIFIER		X	C 0602	S0-203-800-500	CAP,CER 0.02U-50V	a	b	c	d	e
RECTIFIER		X	C 0603	S0-203-800-500	CAP,CER 0.02U-50V	a	b	c	d	e
RECTIFIER		X	C 0604	S0-203-800-500	CAP,CER 0.02U-50V	a	b	c	d	e
RECTIFIER		O	C 0605	87-010-388-010	CAP,E 1000-25V	.	.	c	.	e
RECTIFIER		X	C 0606	S0-203-800-500	CAP,CER 0.02U-50V	a	b	c	d	e
RECTIFIER		O	CNH0852	S0-323-152-500	HSG 2315-3B MOLEX 5264 w/260m	a	b	c	d	e
RECTIFIER		O	D 0601	82-596-799-010	DI,1N4001B	a	b	c	d	e
RECTIFIER		O	D 0602	82-596-799-010	DI,1N4001B	a	b	c	d	e
RECTIFIER		O	D 0603	82-596-799-010	DI,1N4001B	a	b	c	d	e
RECTIFIER		O	D 0604	82-596-799-010	DI,1N4001B	a	b	c	d	e
RECTIFIER		O	D 0605	82-596-799-010	DI,1N4001B	a	b	c	d	e
RECTIFIER		O	D 0606	82-596-799-010	DI,1N4001B	a	b	.	d	.
RECTIFIER	!	S	F 0602	87-A91-939-080	FUSE,MICRO 2A/60V	a	.	.	.	.
RECTIFIER	!	O	HP 0002	S2-201-000-070	AC SOCKET PSE27 DAIICHI 2.5A/	a	.	.	.	.
RECTIFIER	!	O	HP 0002	S1-171-001-000	SOCKET,AC	.	b	c	d	e
RECTIFIER	!	O	PT 0001	S3-118-130-210	PT&&&WEI48/18&F&&UL& 120V:10.	.	b	c	d	e
RECTIFIER	!	O	PT 0001	SC-8A0-711-000	PT008WEI48/18&F&BIEC 115V/230	a	.	.	.	.
RECTIFIER	!	O	SW 0901	87-A90-146-010	SW,SLIDE SS12J01M-A-65	a	.	.	.	.

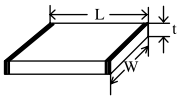
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

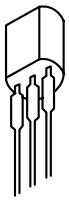
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

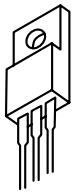
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION -1/1



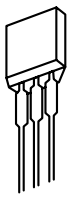
B C E

2SA19790



B C E

B1566E



E C B

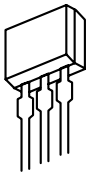
2SC1740S
DTC124XS
2SD1936T/U
DTA114YS
DTA114TS
DTC114YSA

E C B

2SC1815GR
3CG9012
3DA8050

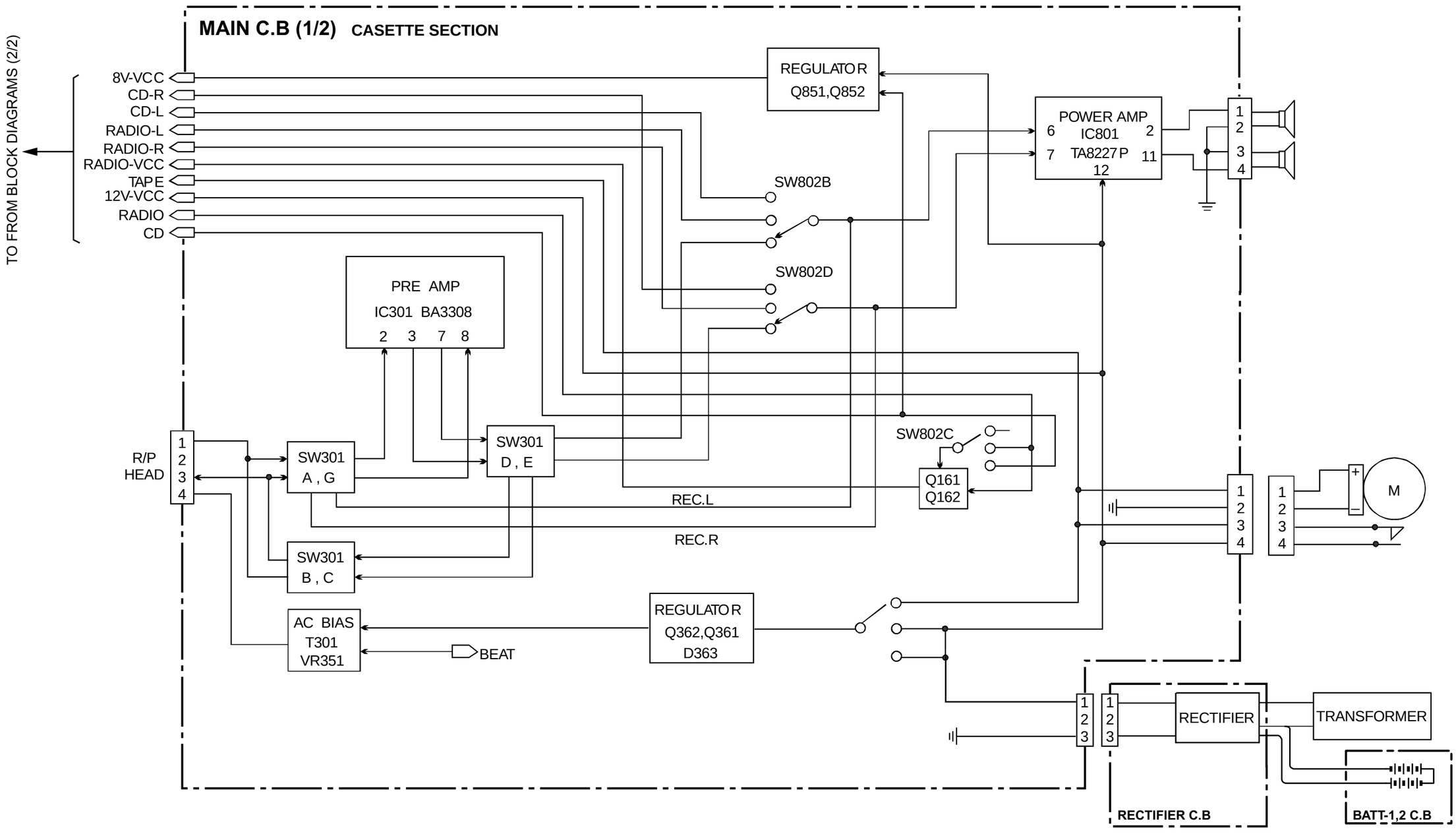
E C B

2SA1015
2SC1923

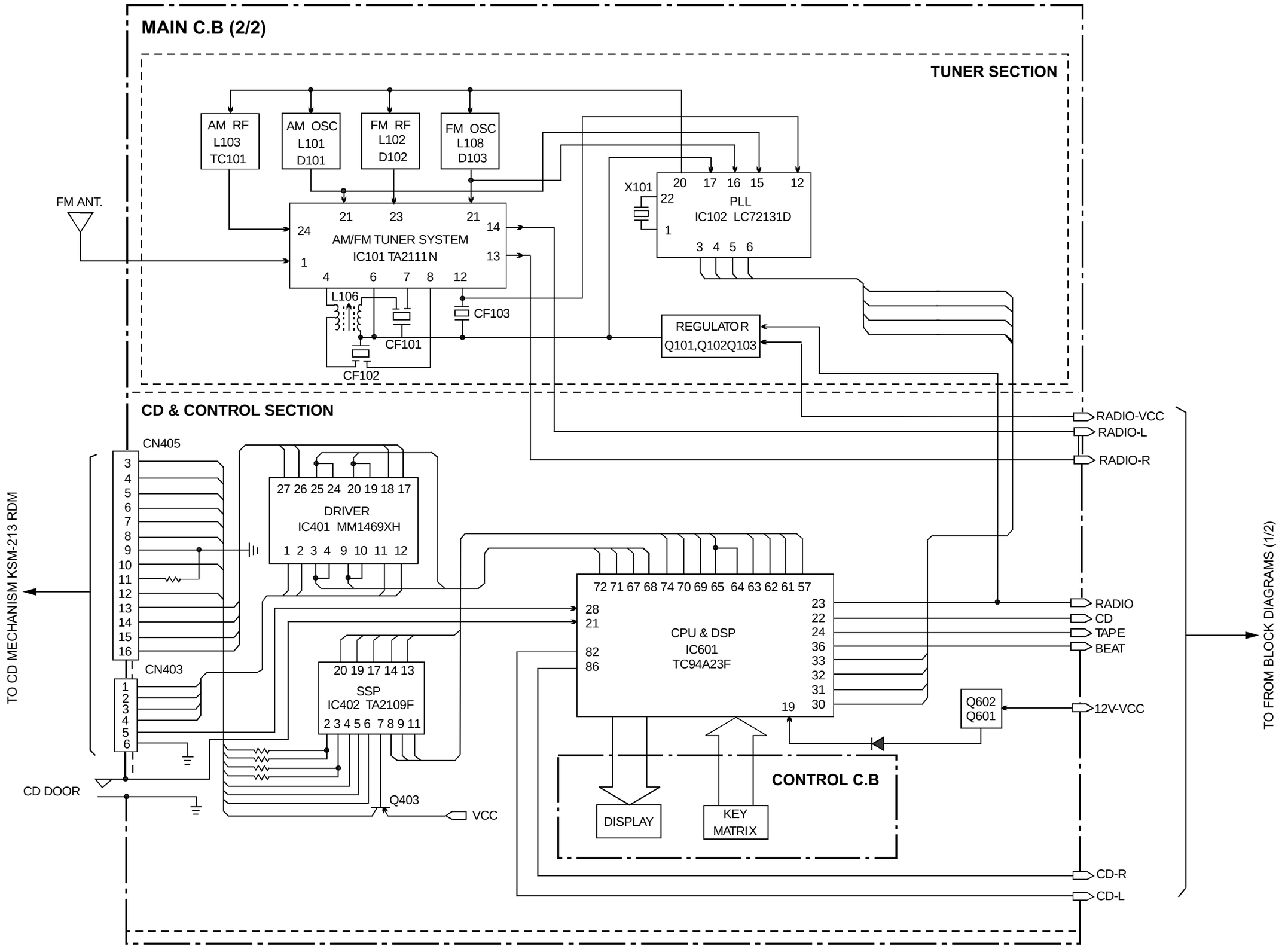


S D G

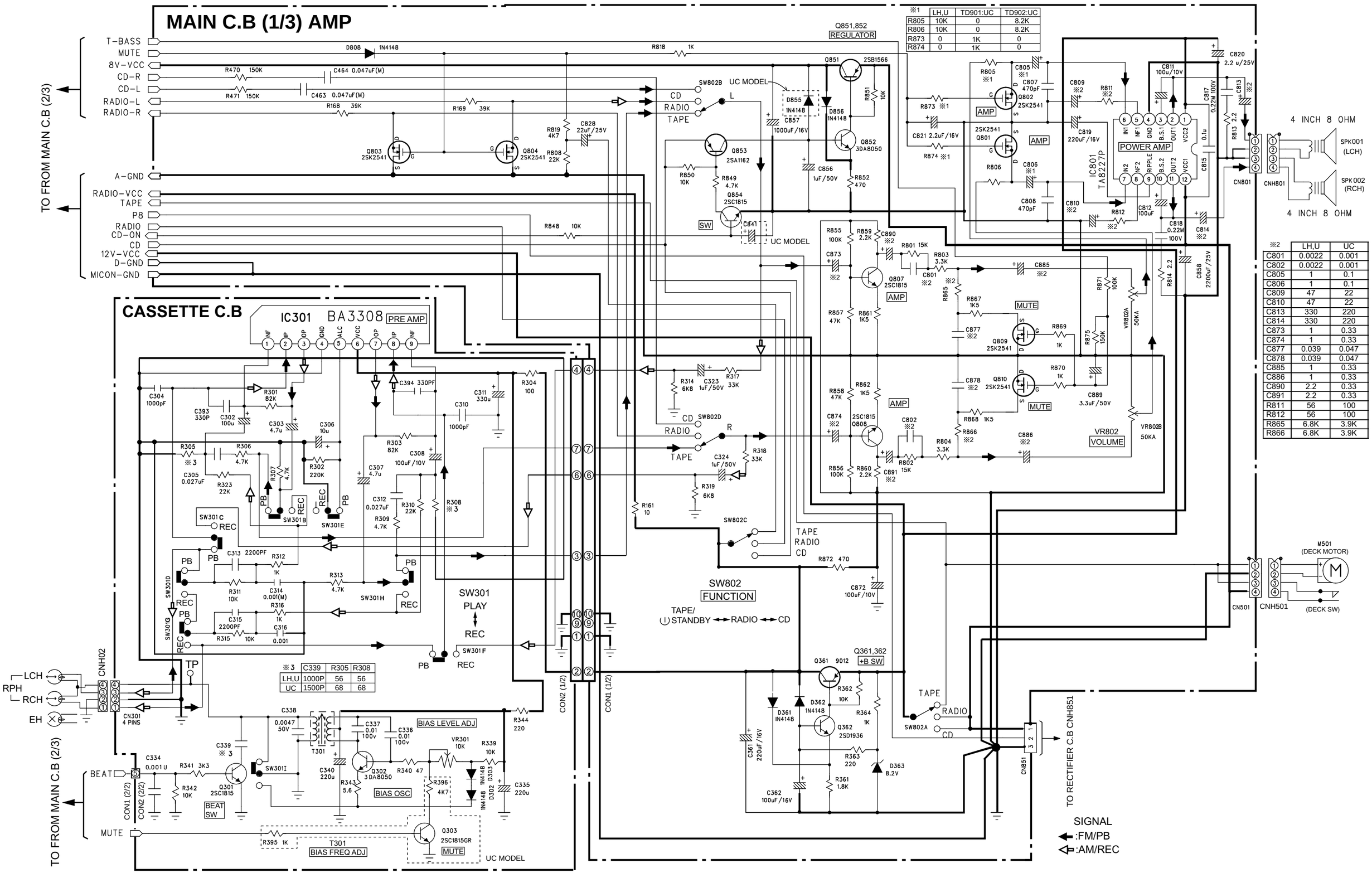
2SK2541


MAIN C.B (1/2) CASETTE SECTION
TO FROM BLOCK DIAGRAMS (2/2)
8V-VCC
CD-R
CD-L
RADIO-L
RADIO-R
RADIO-VCC
TAPE
12V-VCC
RADIO
CD
REGULATOR
Q851,Q852
POWER AMP
IC801
TA8227P
SW802B
SW802D
SW802C
PRE AMP
IC301 BA3308
2 3 7 8
R/P
HEAD
SW301
A , G
SW301
D , E
SW301
B , C
Q161
Q162
REC.L
REC.R
AC BIAS
T301
VR351
BEAT
REGULATOR
Q362,Q361
D363
M
RECTIFIER
TRANSFORMER
RECTIFIER C.B
BATT-1,2 C.B

BLOCK DIAGRAM -2/2



SCHEMATIC DIAGRAM -1/4 (MAIN -1/3) <AMP>



MAIN C.B -2/3 (CD)

CD MECHANISH
KSM-213 RDM
PICK UP ASSY

IC401
MOTOR COIL
DRIVER
IC-MM1469XH

IC402 TA2109F

IC601
TC94A23F
CPU&DSP

X401 16.934MHz
X601 75KHz

REG
UC MODEL
LH,U MODELS

※3	R447	R446
LH,U	10K	1.2K
UC	3.9K	NM

L405	L406
LH,U 0	0
UC 10uH	10uH

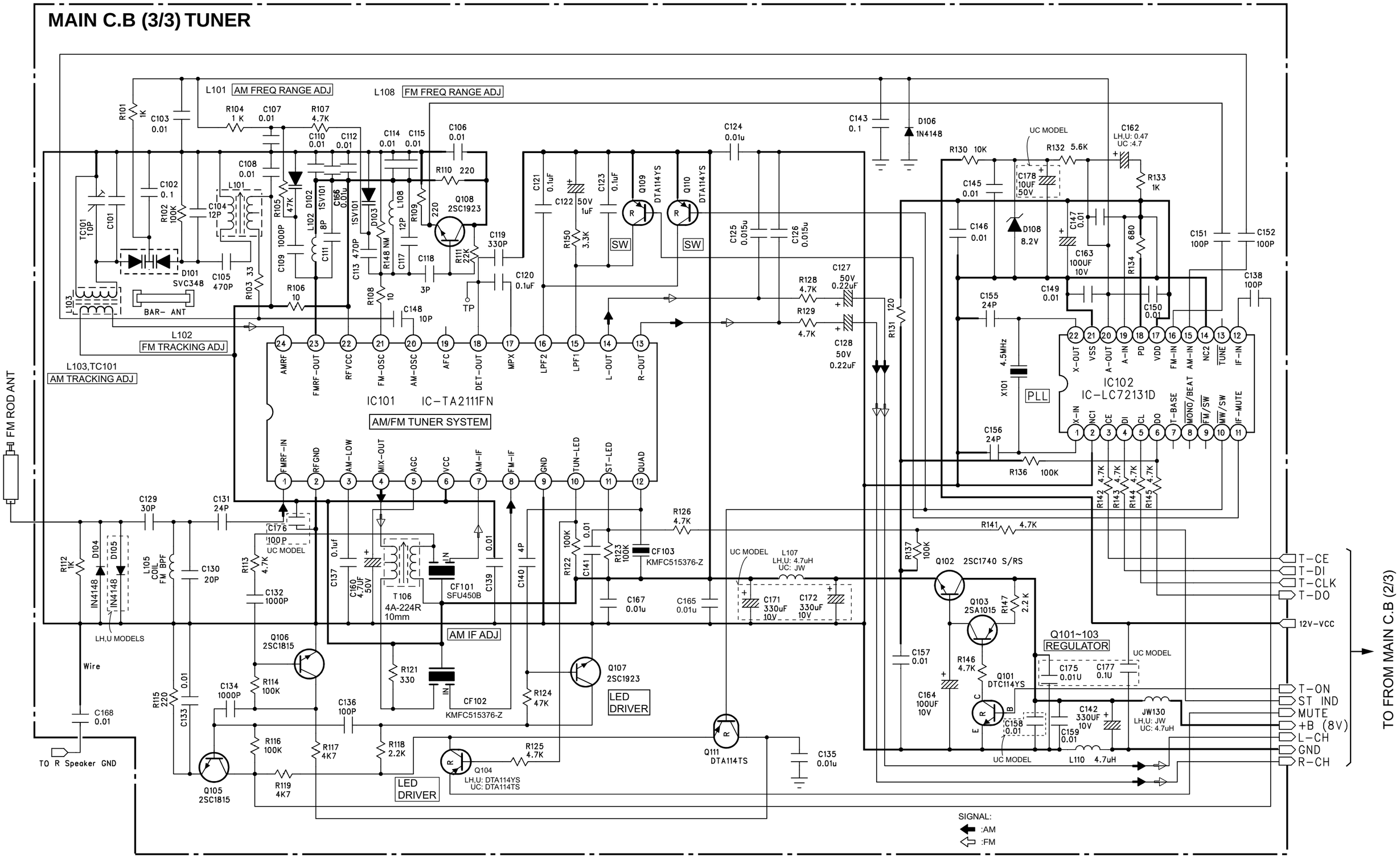
※2	LH	U	UC
R602	2.2	0	0
R603	8.2K		6.8K

TO FROM MAIN C.B(1/3)
TO FROM MAIN C.B (3/3)
TO FROM MAIN C.B (1/3)

SIGNAL
:PB

TO CONTROL C.B CN603
TO CONTROL C.B CN604

MAIN C.B (3/3) TUNER



MAIN C.B (PARTS SIDE)

RIGHT SPEAKER
LEFT SPEAKER
RED
BLK
BLK
RED
CON801
M501 (DECK MOTOR)
SW501 (DECK SW)
RED
BLK
WHT
WHT
CON501
SW401 (CD DOOR SW)
RED
BLK
TO CONTROL C.B CN604
TO CONTROL C.B CN603
TO RECTIFIER C.B CNH852
UC MODEL
LH,U MODELS
EXCEPT UCST MODEL
IC601
IC401
IC402
MW COIL
<GEN>
<BLK>
<RED>
<NATURE>
FM ANT
LH,U MODELS
TO CD MECHANISM KSM-213 RDM
(FFC001)
TO CASSETTE C.B CON2

SW802
FUNCTION
TAPE
STANDBY/
RADIO
CD

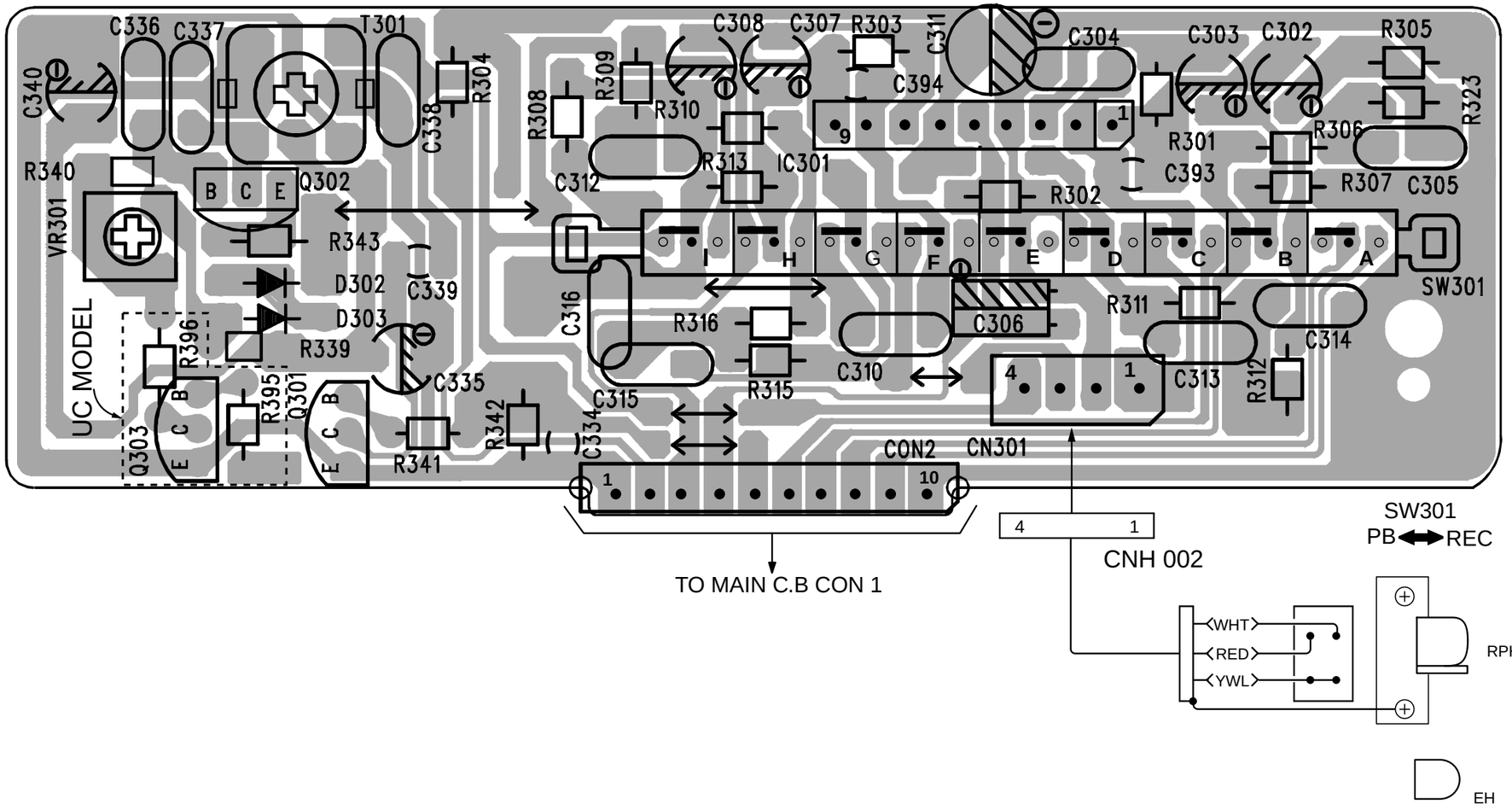
VR802
VOLUME
MIN
MAX

NOTE:

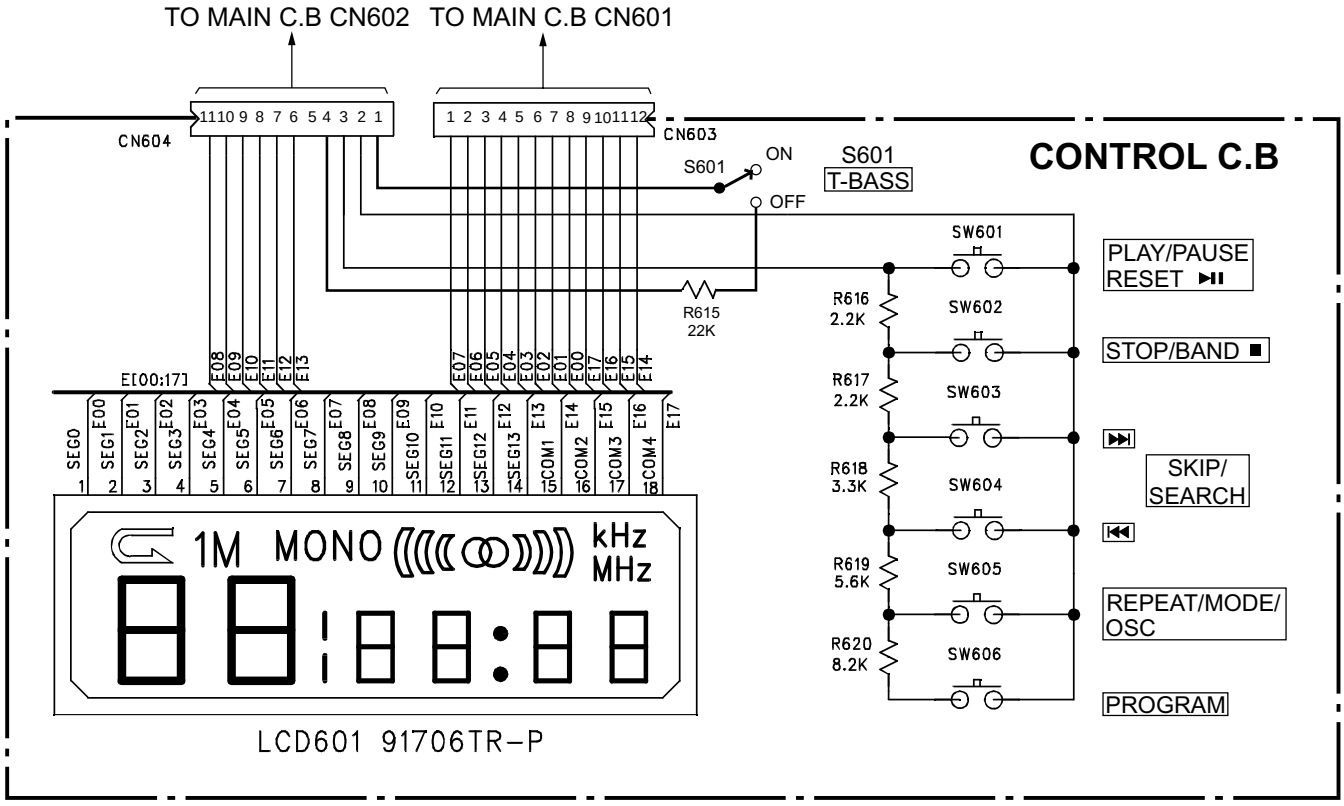
CXXX
CXXX
CXXX
CXXX
RXXX
LXXX
CXXX

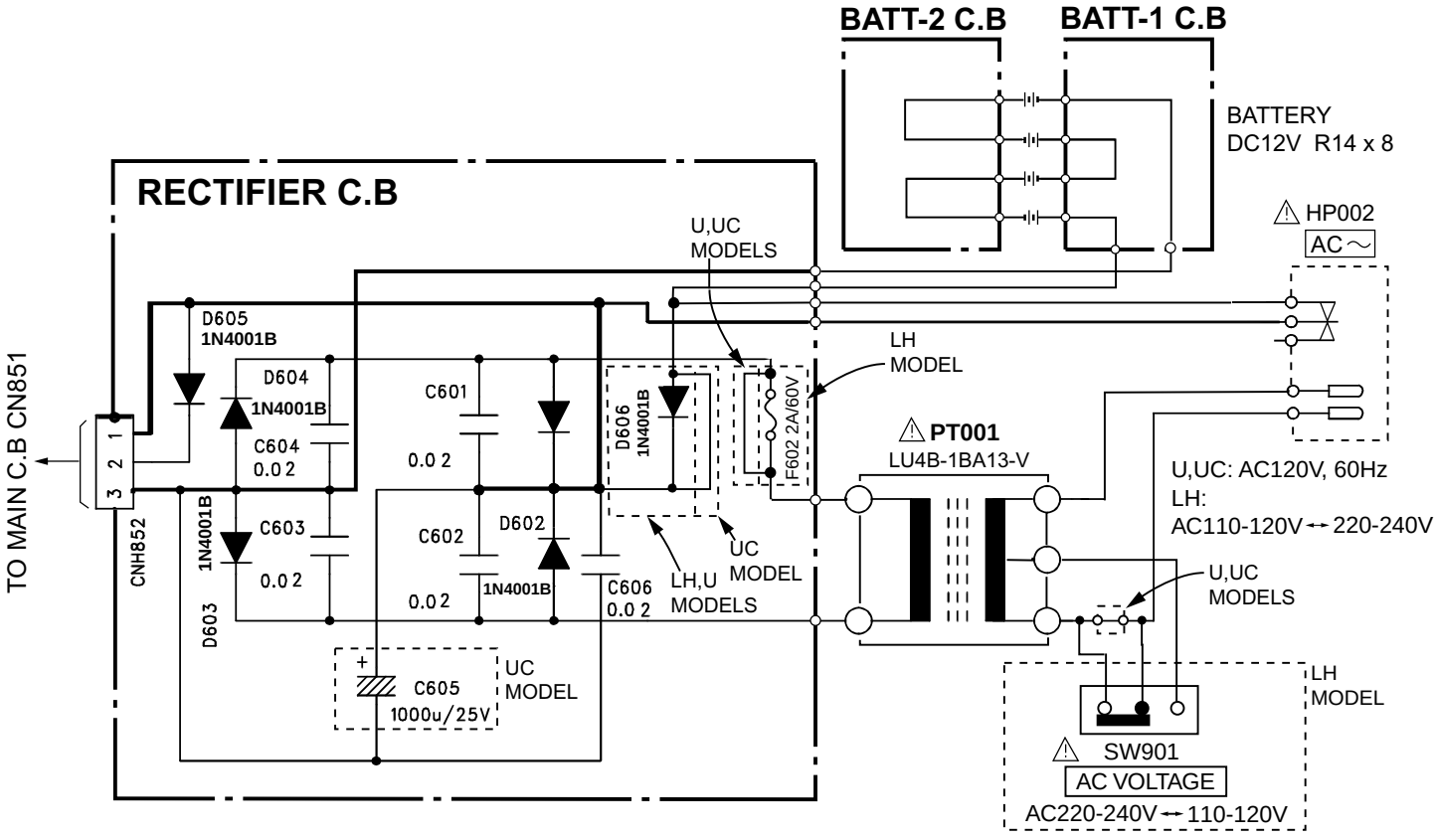
RXXX
RXXX
LXXX
CFXXX
DXXX
XXXX

CASSETTE C.B (PARTS SIDE)

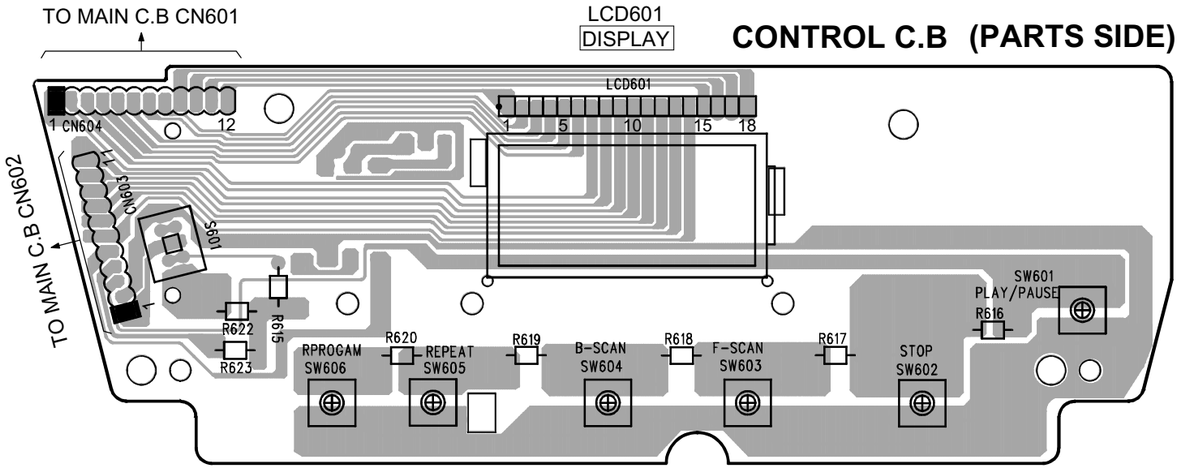


SCHEMATIC DIAGRAM -4/4 (CONTROL/RECTIFIER/BATT-1/BATT-2)





CONTROL C.B (PARTS SIDE)



S601 T-BASS

SW606 PROGRAM

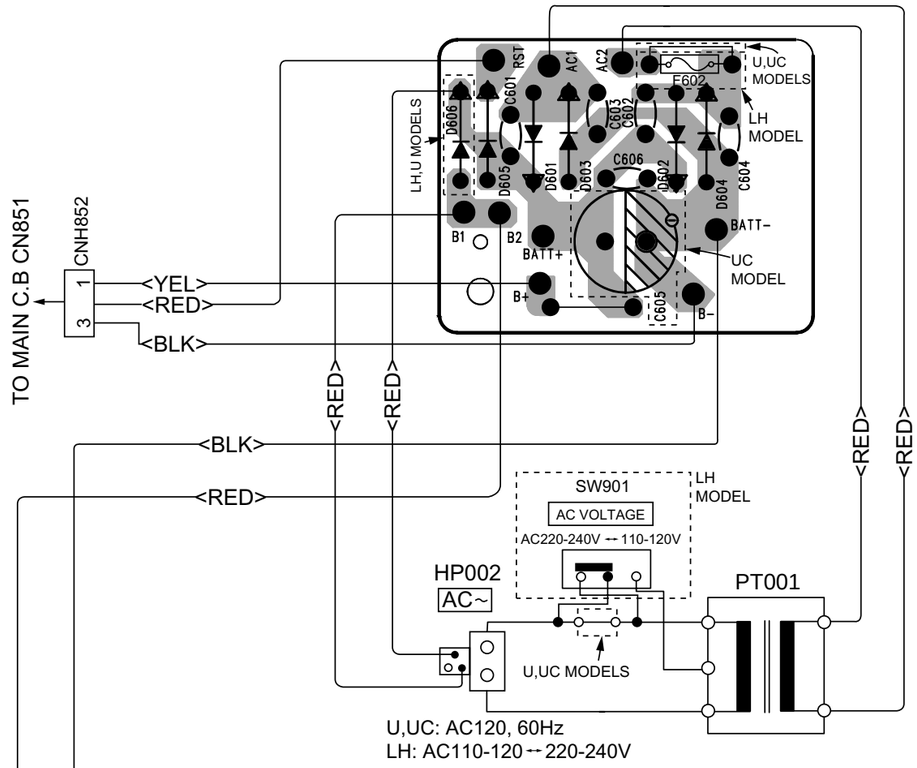
SW605 REPEAT/MODE OSC

SW604 SW603 SKIP/SEARCH ⏮ ⏭ DOWN TUNING UP

SW602 STOP/BAND ■

SW601 PALY/PAUSE/PRESET ⏯

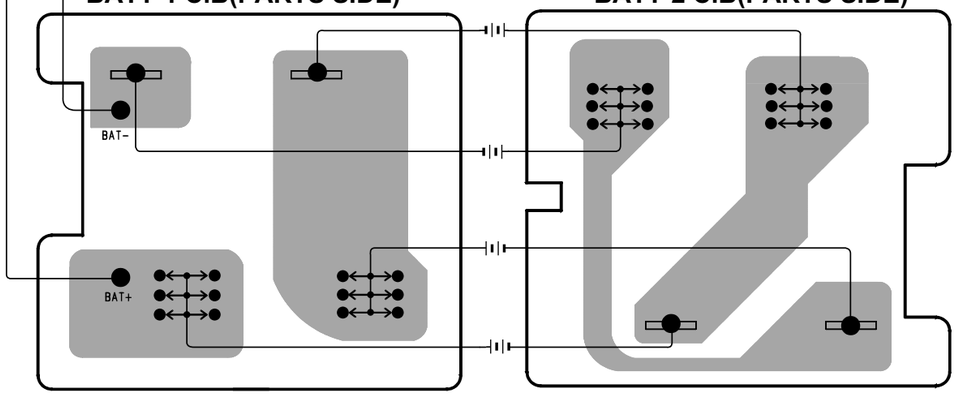
RECTIFIER C.B(PARTS SIDE)



U,UC: AC120, 60Hz
LH: AC110-120↔220-240V

BATT-1 C.B(PARTS SIDE)

BATT-2 C.B(PARTS SIDE)



BATTERY DC 12V R14×8

VOLTAGE CHART -1/2

TUNER SECTION
TEST CONDITION: SET AM/FM TUNER ONE FREQUENCY

IC101 (TA2111N)

UNIT: V

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
FM	0.80	0	0.36	4.51	0	4.66	4.11	4.63	0	2.18	4.64	3.87
AM	0	0	1.17	4.71	0.49	4.74	4.06	4.74	0	0	4.72	4.35
PIN'S NUMBER	13	14	15	16	17	18	19	20	21	22	23	24
FM	1.28	1.26	3.92	3.86	0.73	1.09	0.34	4.66	4.60	4.59	4.56	4.66
AM	1.28	1.26	4.73	4.73	0.72	1.04	1.16	4.74	4.69	4.69	4.69	4.74

IC102 (LC72131D)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11
FM	2.12	0	0	0	4.96	4.63	1.10	1.11	1.09	4.64	4.64
AM	2.25	0	0	0	4.94	4.70	1.20	0	1.21	0	0
PIN'S NUMBER	12	13	14	15	16	17	18	19	20	21	22
FM	0	1.20	0	0	2.19	4.42	0.76	0.76	6.13	0	2.12
AM	0	1.13	0	2.28	0	4.70	0.83	0.83	3.43	0	2.25

TRANSISTOR	Q102(C1740)			Q103(2SA1162Y)			Q101(DTC114YK)		
	E	C	B	E	C	B	E	C	B
FM	4.65	7.72	5.36	5.37	5.36	4.65	0	0	4.89
AM	4.75	7.78	5.45	5.45	5.45	4.74	0	0	4.89

TRANSISTOR	Q104(DTA114YKA)			Q105(2SC3052F)			Q106(2SC3052F)			Q107(2SC2714)		
	E	C	B	E	C	B	E	C	B	E	C	B
FM	0	0	0	0	0	0	0	0	0	0	0	0
AM	0	0	0	0	0	0	0	0	0	0	0	0

TRANSISTOR	Q108(2SC2714)			Q109(DTA114YKA)			Q110(DTA114YKA)		
	E	C	B	E	C	B	E	C	B
FM	1.19	3.42	1.92	4.67	3.93	4.64	4.64	3.34	4.61
AM	1.21	3.48	1.98	4.74	4.73	0	4.74	4.73	0

POWER SECTION
TEST CONDITION: FM TUNER ON

IC801 (TA8227P)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
FM	13.30	6.80	13.00	0	0.59	0	0	0.59	7.11	12.98	6.95	13.24

TRANSISTOR	Q362(2SD1936)			Q361(9012)		
	E	C	B	E	C	B
FM	7.26	12.73	7.80	13.32	7.92	12.64

TRANSISTOR	Q851(2SB1566)			Q852(3DA8050)		
	B	C	E	E	C	B
CD	12.15	8.00	13	7	12.15	8

CASSETTE SECTION
TEST CONDITION: TAPE PLAY

IC301 (BA3308)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9
PLAY	1.82	0	1.83	0	0	7.58	1.84	0	1.82

TRANSISTOR	Q201(C1815)			Q352(8050)		
	E	C	B	E	C	B
PLAY	0	0	0	7.48	7.90	7.89
REC.	0	14.97	0	0	4.67	0.67

VOLTAGE CHART -1/2

CD SECTION

TEST CONDITION: CD PLAY

IC401 (MM1469XH)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10
CD PLAY	3.46	0	2.04	2.01	7.07	5.11	5.11	0	2.01	2.02
PIN'S NUMBER	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	7.61	0	0.57	0	3.93	0	0
PIN'S NUMBER	21	22	23	24	25	26	27	28	29	30
CD PLAY	0	0	0	0	2.01	0	3.75	0	0	0

IC601 (TC94A23F)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10
CD PLAY	2.44	2.44	2.44	0	0	0	2.44	0	0	0
PIN'S NUMBER	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	5.02	0	0	0
PIN'S NUMBER	21	22	23	24	25	26	27	28	29	30
CD PLAY	0	4.75	0	0	0	0	0	4.58	0	0
PIN'S NUMBER	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	0	0	0	0	4.85
PIN'S NUMBER	41	42	43	44	45	46	47	48	49	50
CD PLAY	0	4.80	4.55	0.13	4.55	4.55	0	3.89	2.00	1.95
PIN'S NUMBER	51	52	53	54	55	56	57	58	59	60
CD PLAY	2.00	1.84	2.00	1.52	0	1.91	2.00	4.54	2.00	2.00
PIN'S NUMBER	61	62	63	64	65	66	67	68	69	70
CD PLAY	2.87	2.10	1.68	2.05	2.06	2.05	2.00	2.00	1.05	1.94
PIN'S NUMBER	71	72	73	74	75	76	77	78	79	80
CD PLAY	2.01	2.00	3.88	2.33	4.55	0	0	1.95	2.26	4.28
PIN'S NUMBER	81	82	83	84	85	86	87	88	89	90
CD PLAY	0	2.30	2.20	4.40	2.20	2.31	0	0	0	4.85
PIN'S NUMBER	91	92	93	94	95	96	97	98	99	100
CD PLAY	5.06	0	2.60	1.92	0	4.88	2.42	2.43	2.43	2.42

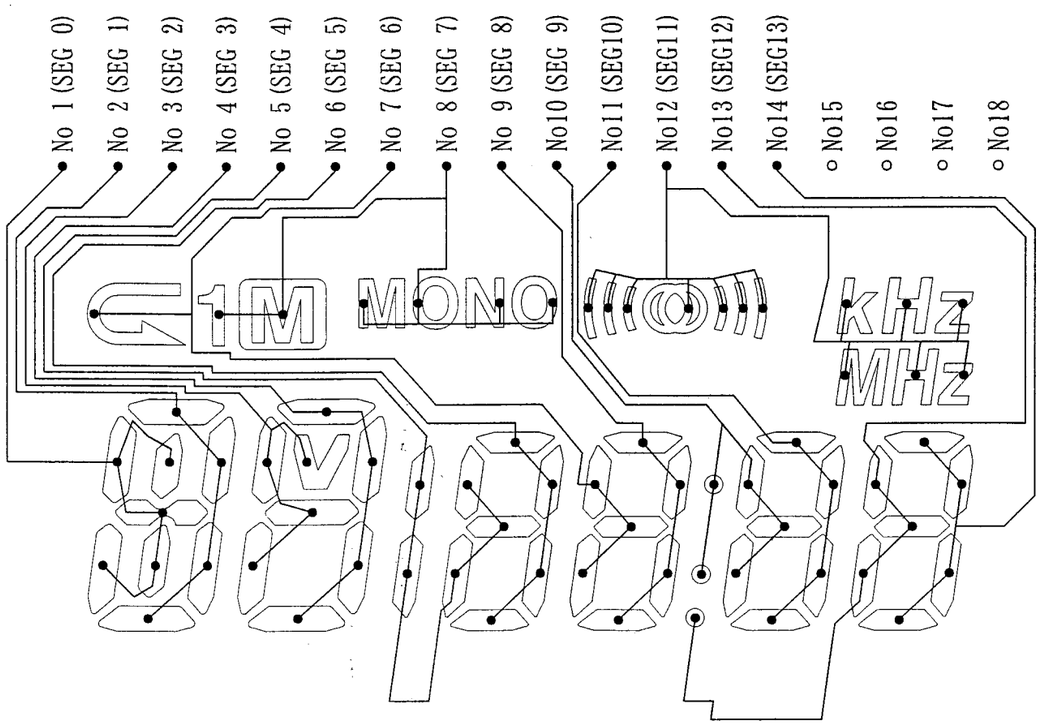
IC402 (TA2109F)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
CD PLAY	4.60	2.00	2.00	2.07	2.04	0.27	3.51	2.34	1.92	3.90	2.01	2.07
PIN'S NUMBER	13	14	15	16	17	18	19	20	21	22	23	24
CD PLAY	1.74	2.04	2.00	2.00	2.88	2.00	2.00	0.98	2.00	2.16	0	2.00

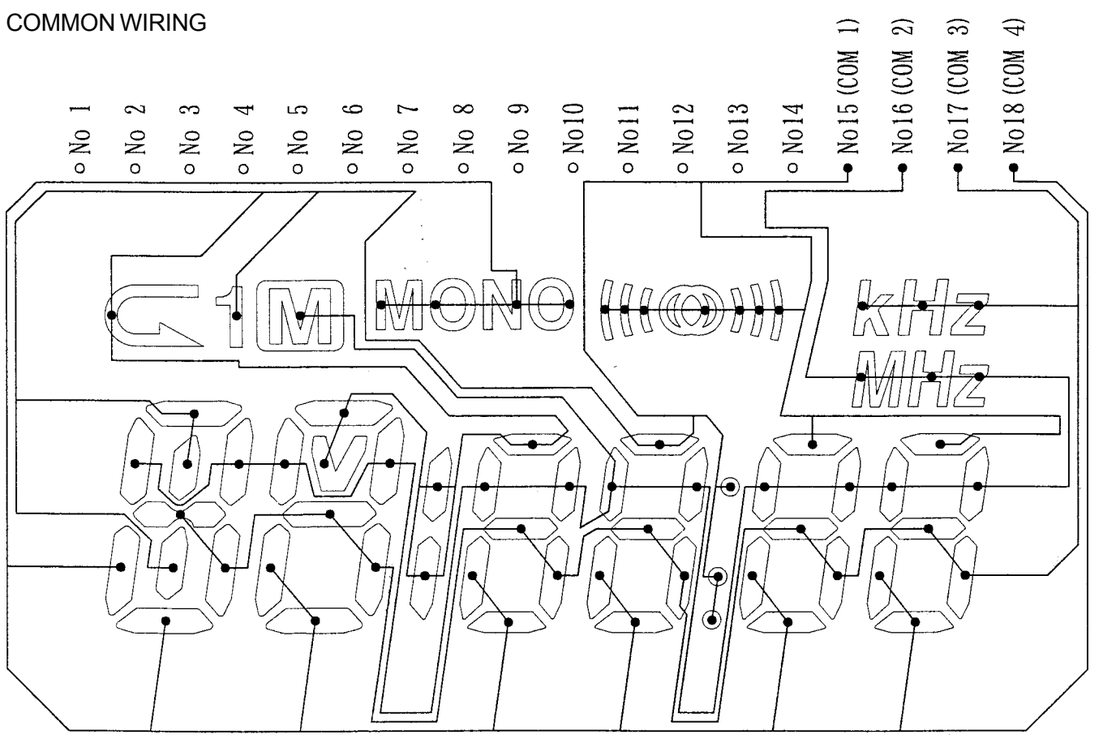
TRANSISTOR	Q605(DTC124KS)			Q604(2SA933S)			Q603(DTC124XS)		
	E	C	B	E	C	B	E	C	B
CD PLAY	0	4.81	0	0	5.02	0	0	0	0.61

LCD DIAGRAM -1/1(LCD-P-06D-36x21SM018P)

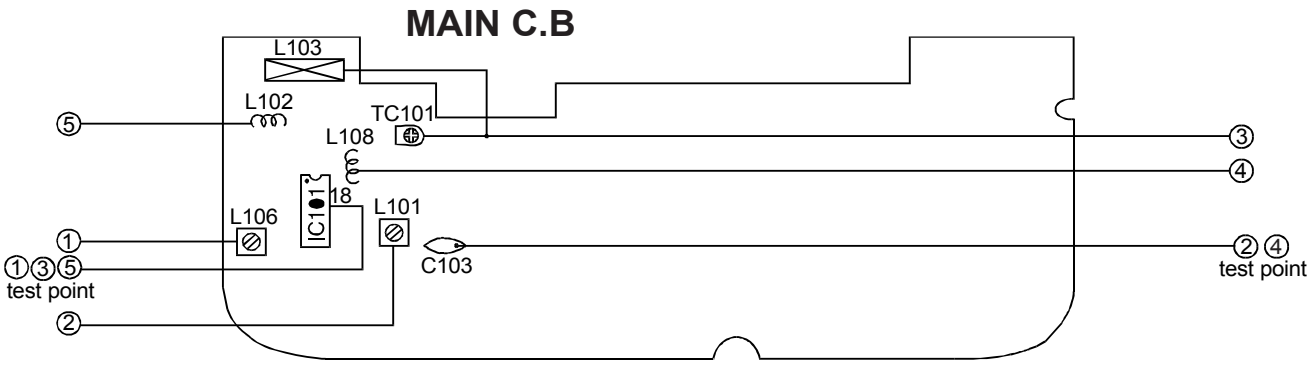
SEGMENT WIRING



COMMON WIRING



CHARACTER NAME



TUNER SECTION

1. AM IF adjustment
   Test point : IC101 (TA 2111N) 18pin
   Adjustment location: L106
   L106 ..... 450kHz

2. AM frequency range adjustment
   Test point : C103
   Adjustment location: L101
   Set the tuner frequency to be 1710kHz
   Adjustment L101 so that
   The test point voltage is 7.35~7.40V

3. AM tracking adjustment
   Test point : IC101 (TA2111N) 18pin
   Adjustment location: L103, TC101
   L103 ..... 600kHz waveform max.
   TC101 ..... 1400kHz waveform max.

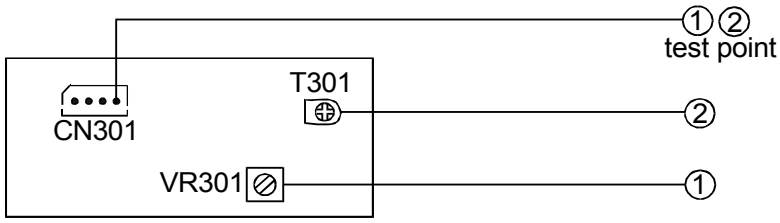
4. FM frequency range adjustment
   Test point: C103
   Adjustment location: L108
   Set the tuner frequency to be 87.5MHz
   Adjustment L108 so that
   The test point voltage is 6.0 ± 0.1V

5. FM tracking adjustment
   Test point: IC101 (TA2111N) 18pin
   Adjustment location: L102
   L102 ..... 108MHz waveform max

CASSETTE SECTION

1. Bias frequency adjustment
   Test point: CN301 4pin
   Adjustment location: T301
   T301 .....60 ±1kHz

2. Bias level adjustment
   Test point: CON301 4pin
   Adjustment location: VR301
   VR301 ..... 11V



CASSETTE C.B

CD Test Mode Function

Main Unit Key

- **REPEAT** While pressing this button, set the function selector switch to CD. The unit enters the CD test mode.

- When the unit enters the test mode, all elements of LCD light.

- When the main power is turned off or the unit moves to any other function, the unit exits the test mode.

- "CD Test Mode Operations List" is shown below.

<Sled operation>

While all LCDs are lighting, the sled operation test is performed by the following operation.

Main Unit Key |◁◁ Press this key: Sled moves to outer circumference.

Main Unit Key ▷▷| Press this key: Sled moves to inner circumference.

<Focus search operation>

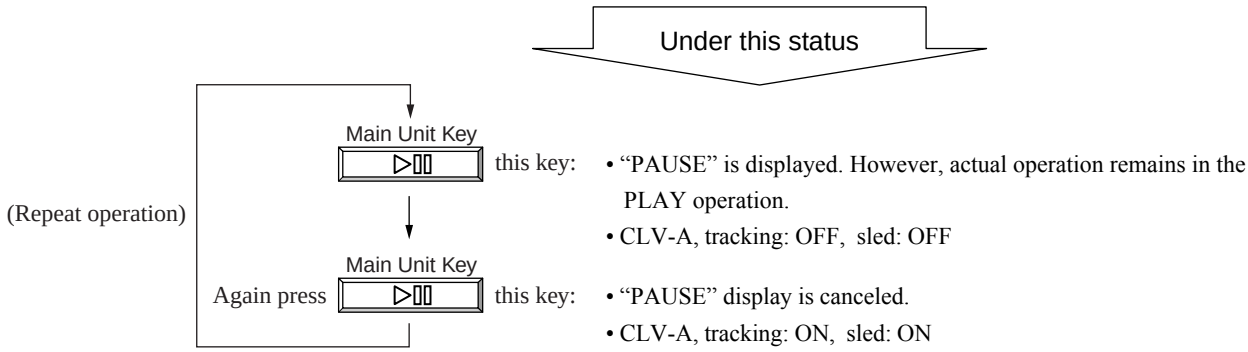
The focus search operation test is performed by the following operation.(LCD returns to the normal display.)

Main Unit Key □ Press this key:
- LCD display cancels light-on of all LCDs and returns to normal display.
- Focus search is continued even after the optimum focus is obtained.
- Focus servo is not turned on.

<Tracking servo, sled servo ON/OFF operation>

The tracking servo and sled servo ON/OFF operations can be performed by the following operation.

Main Unit Key ▷II Press this key:
- LCD display cancels light-on of all LCDs and returns to normal display.
- Focus search is continued even if optimum focus cannot be obtained.
- After that, the unit enters the normal PLAY operation.

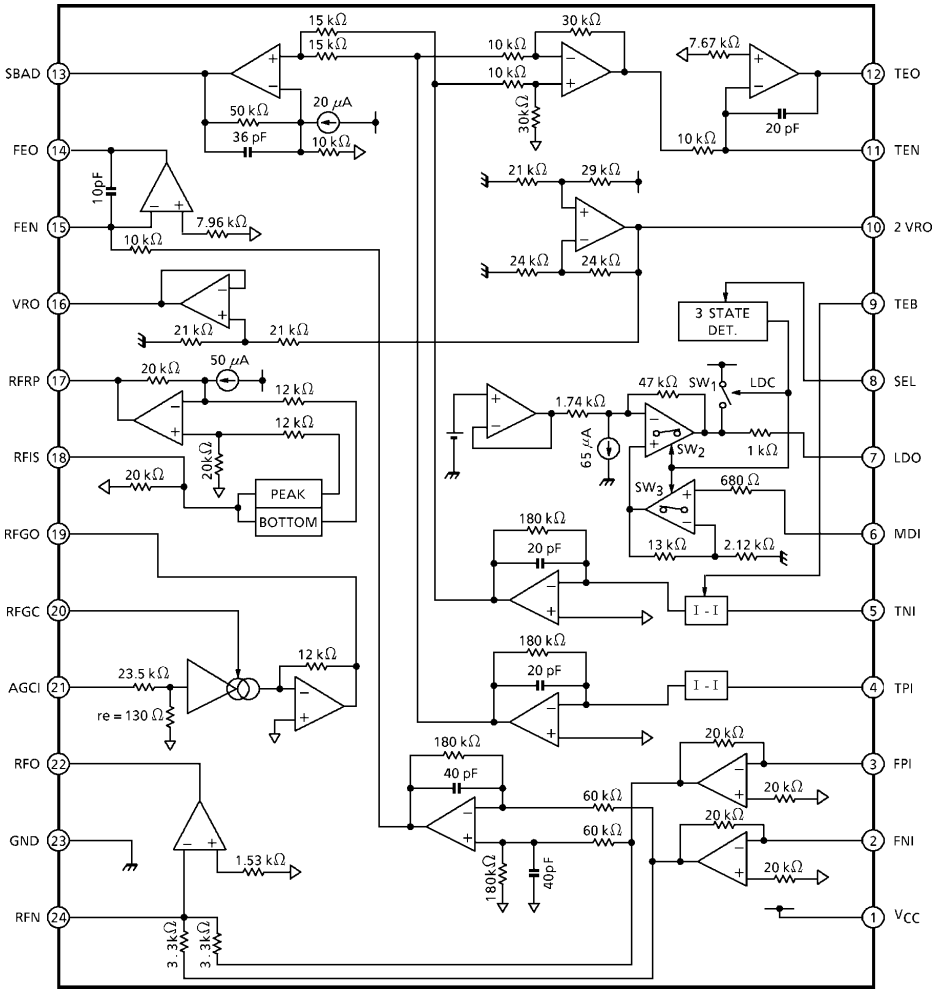


∗ While the tracking servo and sled servo ON/OFF operations,

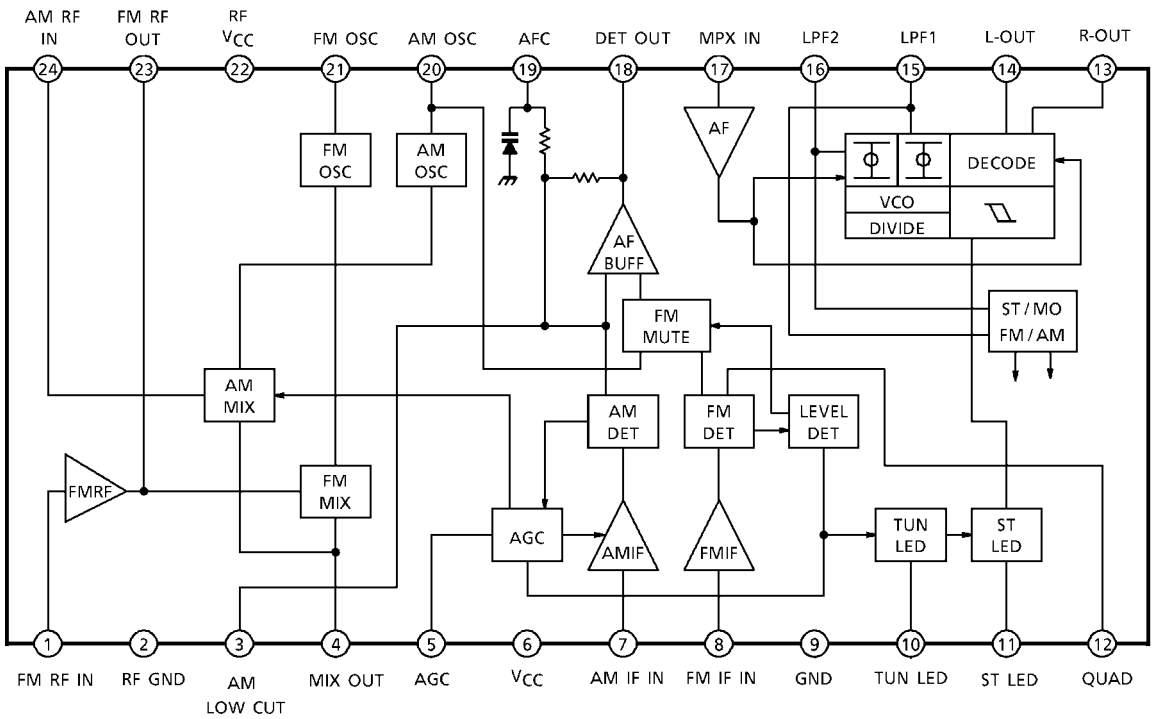
Main Unit Key |◁◁ / ▷▷| buttons can be operated normally.

IC BLOCK DIAGRAM -1/2

IC, TA2109F

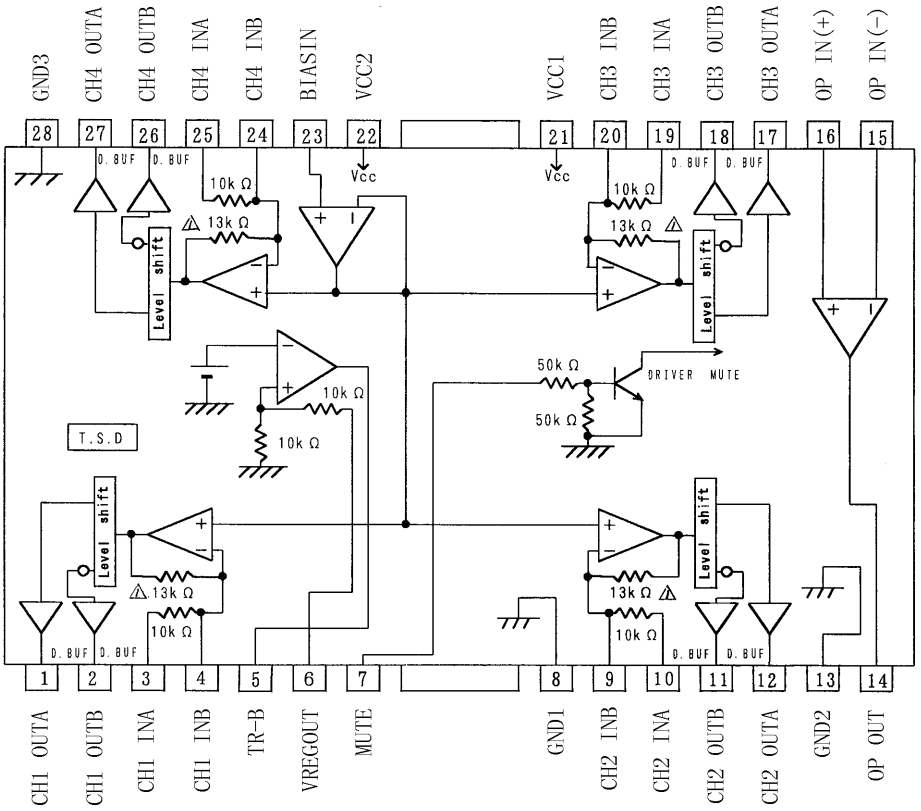


IC, TA2111N

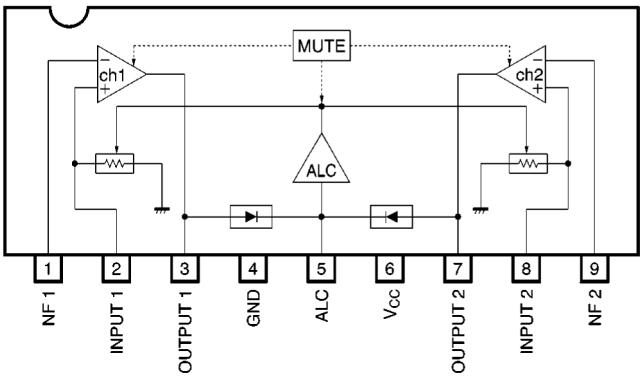


IC BLOCK DIAGRAM -2/2

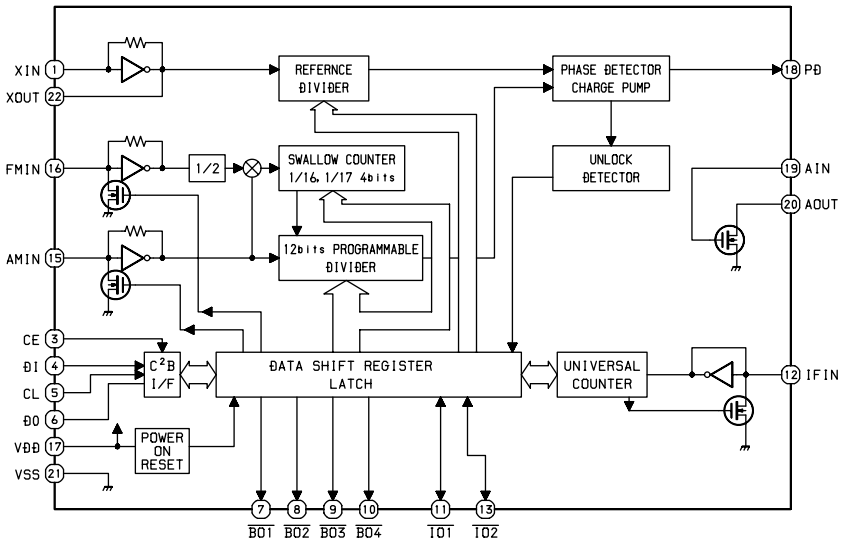
IC, MM1469XH



IC, BA3308



IC, 72131D-N

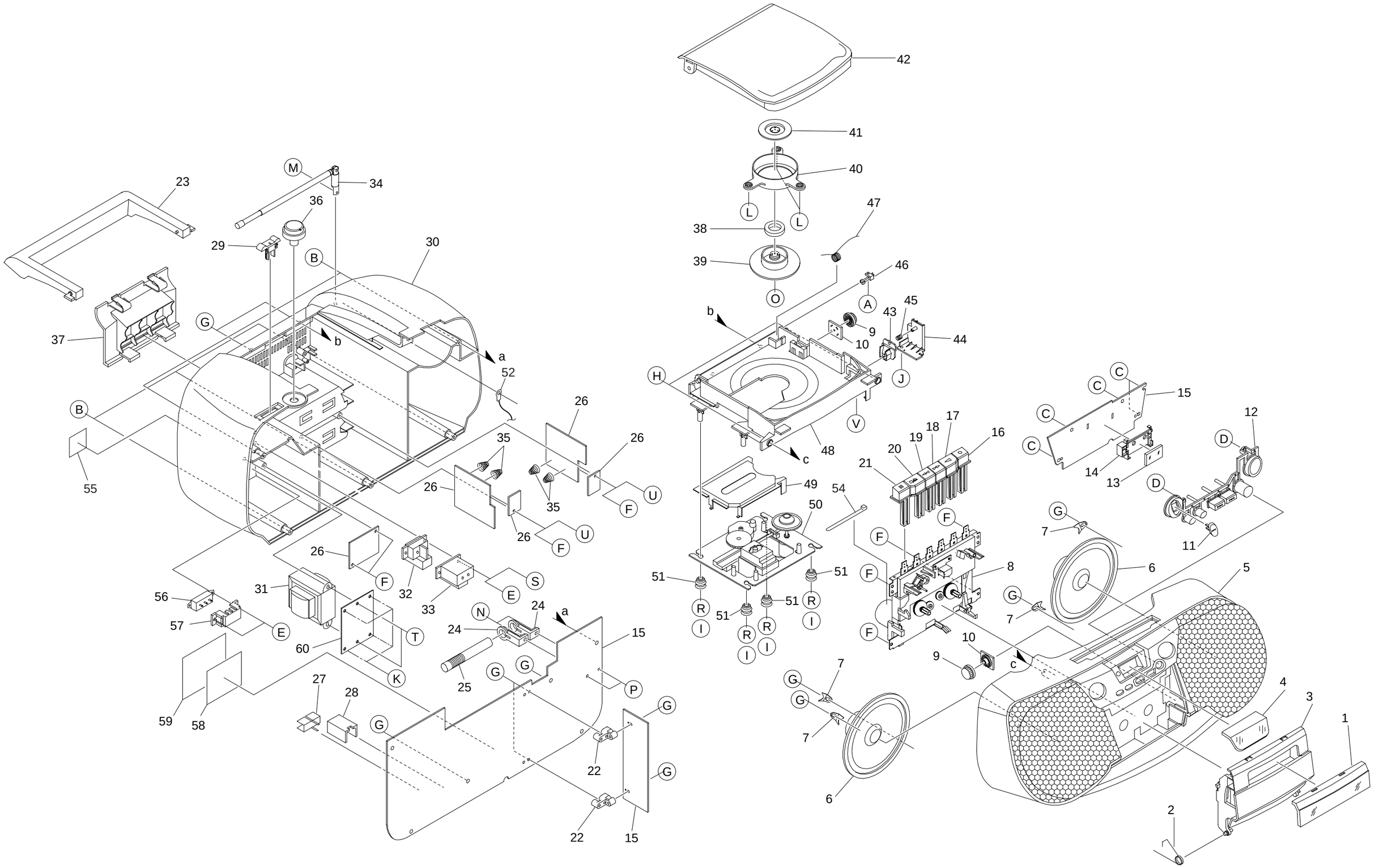


Pin NO.	Pin Name	I/O	Description
1–9	S1/OT5-S9/OT13	O	LCD segment output :LCD 1pin-9pin.
10	S10/OT14/ZDNET	O	LCD segment output :LCD 10pin.
11	S11/OT15/CLCK	O	LCD segment output :LCD 11pin.
12	S12/OT16/DATA	O	LCD segment output :LCD 12pin.
13	S13/OT17/SFSY	O	LCD segment output :LCD 13pin.
14	S14/OT18/LRCK	O	LCD segment output :LCD 14pin.
15	P8-0/S15/BCK	O	Changed to the port that detects use/non-use of O-BEAT L:Use,H:Non-use.
16	P8-1/S16/AOUT	O	Not connected.
17	P8-2/S17/MBOV	O	Not connected.
18	P8-3/S18/IPF	O	Not connected.
19	MV_{DD}	–	Controller power supply +5V.
20	MV_{SS}	–	Controller power supply GND.
21	P1-0	I/O	CD door switch open/close detection: “L” input at close.
22	P1-1	I/O	Function CD input.
23	P1-2	I/O	Function TU input.
24	P1-3	I/O	Function TAPE input.
25	P3-0	I/O	Not conntected.
26	P3-1/ADin1	A/D-I	KEY input.
27	P3-2/ADin2	A/D-I	TUNER destination identification.
28	P3-3/ADin3	I/O	INSIDE LIMIT switch detection.
29	P4-0/ADin4/BUZR	I/O	Not conntected.
30	P4-1/S12	I	Data input from TU IC (LC72131).
31	P4-2/SI0/SI1/SDA	O	Data output to TU IC (LC72131).
32	P4-3/SCK/SCL	O	Clock output to TU IC (LC72131).
33	P2-0/EMPH in	O	CE output to TU IC (LC72131).
34	P2-1/HSO in	I/O	Not conntected.
35	P2-2/LRCK in	I/O	FM stereo status input: “L” input at stereo.
36	P2-3/DATA in	O	AM beat selector output — When AC bias is used.
37	IN1/BCK in	I	Not conntected.
38	TESTC	I	Not conntected.
39	OT19/$\overline{HSO}$	O	Main mute output.
40	OT20/SPCK	O	Not conntected.
41	OT21/SPDA	O	Not conntected.
42	OT22/COFS	O	Not conntected.
43	DOUT	O	DIGITAL OUT output. (Not used)
44	SBSY	O	Subcode block output. (Not used)
45	SBOK	O	Subcode Q-data CRCC judgment result output. (Not used)
46	V_{DD}	–	CD section digital system power supply:+5V.
47	V_{SS}	–	CD section digital system GND.
48	$P2V_{REF}$	–	PLL system-2 $V_{REF\ terminal}$.
49	PDO	–	Difference signal between EFM signal and PLCK signal is output.
50	TMAX	O	TMAX detection result is output.
51	LPFN	I	Inverted input to low-pass filter amplifier.

Pin No.	Pin Name	I/O	Description
52	LPFO	O	Low-pass filter amplifier output.
53	PV_{REF}	–	PLL system V_{REF} terminal.
54	VCOF	I	VCO filter.
55	AV_{SS}	–	Analog system GND.
56	SLCO	O	DAC output for generating data slice level.
57	RFI	I	RF signal input.
58	AV_{DD}	–	Analog system power supply:5V.
59	RFCT	I	RFRP signal center level input.
60	RFZI	I	RFRP zero-cross input.
61	RFRP	I	RF ripple signal input.
62	FEI	I	Focus error signal input.
63	SBAD	I	Sub-beam add signal input.
64	TEI	I	Tracking error input.
65	TEZI	I	Tracking error zero-cross input.
66	FOO	O	Focus equalizer output.
67	TRO	O	Tracking equalizer output.
68	V_{REF}	–	Analog reference power supply:+5V.
69	RFGC	O	RF signal amplitude adjustment control signal output.
70	TEBC	O	Tracking balance control signal output.
71	FMO	O	Focus equalizer output.
72	DMO	O	Disc equalizer output.
73	$2V_{REF}$	–	Analog reference power supply:+5V.
74	SEL	O	APC circuit ON/OFF signal output.
75	V_{DD}	–	CD section digital system power supply:+5V.
76	V_{SS}	–	CD section digital system GND.
77	XV_{SS}	–	CD section crystal oscillator GND.
78	XI	I	CD section crystal oscillator input.
79	XO	O	CD section crystal oscillator output.
80	XV_{DD}	–	CD section crystal oscillator power supply:+5V.
81	DV_{SR}	–	R-channel DA converter GND.
82	RO	O	R-channel data positive polarity output.
83	DV_{RR}	–	R-channel reference voltage:+5V.
84	DV_{DD}	–	DA converter power supply:+5V.
85	DV_{RL}	–	L-channel reference voltage:+5V.
86	LO	O	L-channel data positive polarity output.
87	DV_{SL}	–	L-channel DA converter GND.
88	TESTM	I	Test mode control input.
89	IN2/(VPP)	I	Not conntected.
90	$\overline{RST}$	I	Microprocessor reset input.
91	$\overline{HOLD}$	I	Hold status detection:Entering Hold at “L”.
92	INTR	I	Remote control input.
93	MXO	O	Crystal oscillator terminal for controller.
94	MXI	I	Crystal oscillator terminal for controller.

Pin NO.	Pin Name	I/O	Description
95	MV_{SS}	–	Controller power supply:GND.
96	MV_{DD}	–	Controller power supply:+5V.
97	COM1/OT1	O	LCD common output :LCD 15pin.
98	COM2/OT2	O	LCD common output :LCD 16pin .
99	COM3/OT3	O	LCD common output :LCD 17pin .
100	COM4/OT4	O	LCD common output :LCD 18pin.

MECHANICAL EXPLODED VIEW -1/1



MECHANICAL PARTS LIST -1/2

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
		O	MC1001	8C-CHC-008-010	WINDOW,CASS	a	b	c	d	e
		O	MC1002	SC-CDC-140-000	CASS DOOR SPRING CCDC-14 DIA:	a	b	c	d	e
		O	MC1003	8C-CHC-005-010	DOOR,CASS (T)	a	b	c	.	.
		O	MC1003	8C-CHC-034-010	DOOR,CASS (SD)	.	.	.	d	e
		O	MC1004	8C-CHC-007-010	WINDOW,DISP (T)	a	b	c	d	e
		O	MC1005	8C-CHC-001-010	CABI ASSY,FR (T)	a	.	.	.	.
		X	MC1005	8C-CHC-086-010	F.CAB ASSY(TU) CCHC-01-04 JNL	.	b	c	.	.
		X	MC1005	8C-CHC-089-010	F.CAB ASSY(SU) CCHC-01-03 MOL	.	.	.	d	e
		O	MC1006	S4-080-020-140	SPK00004"008OHM0002W w/RED CO	a	b	c	d	.
		O	MC1006	S4-080-020-150	SPK,8OHM 2W	.	.	.	.	e
		X	MC1007	S1-138-540-000	SPKR,CLIP B & C	a	b	c	d	e
		X	MC1008	M8-AZK-890-070	CASS.DECK TN-21ZVC-2000	a	b	c	d	e
		O	MC1009	8C-CHC-211-010	OIL DAMP GEAR CCHC-41	a	b	c	d	e
		O	MC1010	8C-CHC-210-010	DAMP GEAR ALCOM HOLDER	a	b	c	d	e
		O	MC1011	8C-CHC-019-010	KEY,SL BASS (T)	a	b	c	.	.
		O	MC1011	8C-CHC-045-010	KEY,SL BASS (S)	.	.	.	d	e
		O	MC1012	8C-CHC-018-010	KEY,CONT	a	b	c	d	e
		O	MC1013	S0-043-050-000	LCD-P-06D-36x21SM018P #AIW430	a	b	c	d	e
		X	MC1014	8C-CHC-207-010	HLDR,LCD	a	b	c	d	e
		X	MC1015	S0-0CC-HC3-000	PCB CCHC-01-01,02,03 384x171x	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
		O	MC1016	8C-CHC-017-010	KEY,CASS REC (T)	a	b	c	.	.
		O	MC1016	8C-CHC-044-010	KEY,CASS REC (S)	.	.	.	d	e
		O	MC1017	8C-CHC-016-010	KEY,CASS PLAY (T)	a	b	c	.	.
		O	MC1017	8C-CHC-043-010	KEY,CASS PLAY (S)	.	.	.	d	e
		O	MC1018	8C-CHC-015-010	KEY,CASS REW (T)	a	b	c	.	.
		O	MC1018	8C-CHC-042-010	KEY,CASS REW (S)	.	.	.	d	e
		O	MC1019	8C-CHC-014-010	KEY,CASS FF (T)	a	b	c	.	.
		O	MC1019	8C-CHC-041-010	KEY,CASS FF (S)	.	.	.	d	e
		O	MC1020	8C-CHC-013-010	KEY,CASS STOP (T)	a	b	c	.	.
		O	MC1020	8C-CHC-040-010	KEY,CASS STOP (S)	.	.	.	d	e
		O	MC1021	8C-CHC-012-010	KEY,CASS PAUSE (T)	a	b	c	.	.
		O	MC1021	8C-CHC-039-010	KEY,CASS PAUSE (S)	.	.	.	d	e
		O	MC1022	S2-23L-H60-000	(F550-223LH6-000) SUPPORT BRA	a	b	c	d	e
		O	MC1023	8C-CHC-022-010	HANDLE,(T)	a	b	c	.	.
		O	MC1023	8C-CHC-048-010	HANDLE,(S)	.	.	.	d	e
		X	MC1024	S2-500-000-000	(F550-250000-000) ANTENNA BAR	a	b	c	d	e
		O	MC1025	S8-493-840-000	ANT COIL ASSY ARA8-849384 w/B	a	b	c	d	e
		X	MC1026	S0-0CC-DC4-000	PCB CCDC-01-04,05,06,07 (94V0	a	b	c	d	e
		X	MC1027	S3-838-000-000	HEAT SINK	a	b	c	d	e
		X	MC1028	S0-CDG-740-000	HEAT SINK CDG-74 T=2.0mm ALUM	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
		O	MC1029	8C-CHC-010-010	KNOB,SL FUNC (T)	a	b	c	.	.
		O	MC1029	8C-CHC-037-010	KNOB,SL FUNC (S)	.	.	.	d	e
		O	MC1030	8C-CHC-003-010	CABI,REAR (T)	a	.	.	.	.
		O	MC1030	8C-CHC-077-010	REAR CAB(TU) CCHC-02-04 MOLD	.	b	c	.	.
		O	MC1030	8C-CHC-078-010	REAR CAB(US) CCHC-02-03 MOLD	.	.	.	d	e
	!	O	MC1031	SC-8A0-711-000	PT008WEI48/18&F&BIEC 115V/230	a	.	.	.	.
	!	O	MC1031	S3-118-130-210	PT&&&WEI48/18&F&&UL& 120V:10.	.	b	c	d	e
		O	MC1032	S2-201-000-070	AC SOCKET PSE27 DAIICHI 2.5A/	a	.	.	.	.
		O	MC1032	S1-171-001-000	SOCKET,AC	.	b	c	d	e
		O	MC1033	S2-838-070-000	AC SOCKET COVER BLK	a	b	c	d	e
		O	MC1034	S0-101-950-000	ANTRD-0400-227D2S5.2S TL5.2-1	a	b	c	d	e
		O	MC1035	S1-790-200-000	BATTERY SPRING 1790-20 SPRING	a	b	c	d	e
		O	MC1036	8C-CHC-011-010	KNOB,VOLUME (T)	a	b	c	.	.
		O	MC1036	8C-CHC-038-010	KNOB,VOLUME (S)	.	.	.	d	e
		O	MC1037	8C-CHC-009-010	COVER,BATTERY (T)	a	.	.	.	.
		O	MC1037	8C-CHC-071-010	BATTERY COVER(T) CCDC-05 MOLD	.	b	c	.	.
		O	MC1037	8C-CHC-072-010	BATTERY COVER(S) CCDC-05 MOLD	.	.	.	d	e
		O	MC1038	S0-000-030-000	MAGNET “SONY” FOR TOP LOADING	a	b	c	d	e
		O	MC1039	S6-301-560-000	(F500-630156-000) CD CHUCK 63	a	b	c	d	e
		O	MC1040	S1-892-190-000	(F550-189219-000) CD CHUCK HO	a	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
		O	MC1041	S0-768-660-010	CD CHUCK HOLDING PLATE 768-66	a	b	c	d	e
		O	MC1042	8C-CHC-004-010	DOOR,CD (T)	a	.	.	.	.
		O	MC1042	8C-CHC-023-010	CD DOOR(T-U)	.	b	c	.	.
		O	MC1042	8C-CHC-049-010	CD DOOR(SU)	.	.	.	d	e
		O	MC1043	8C-CDC-204-010	LEVER,CD LOCK	a	b	c	d	e
		O	MC1044	8C-CDC-205-010	HLDR,CD LOCK	a	b	c	d	e
		O	MC1045	SB-CH8-270-000	LOCK SPRING BCH8-27 MAT’L=SUS	a	b	c	d	e
		O	MC1046	S0-011-200-020	LEAF SWITCH LSA-1120Y2	a	b	c	d	e
		O	MC1047	SC-CDC-280-000	CD LID SPRING CCDC-28 DIA:1.2	a	b	c	d	e
		O	MC1048	8C-CHC-024-010	CHAS,CD (T)	a	b	c	.	.
		O	MC1048	8C-CHC-006-010	CHAS,CD	.	.	.	d	e
		O	MC1049	SB-CDC-290-000	CD COVER BCDC-29 MOLDED BLACK	a	b	c	d	e
		O	MC1050	M8-CZK-490-07C	KSM-213RDM	a	b	c	d	e
		O	MC1051	S1-892-390-010	CD CUSHION 1892-39 HARDNESS T	a	b	c	d	e
		X	MC1052	S3-000-000-000	SOLDERING LUG	a	b	c	d	e
		X	MC1053	SB-CDC-200-000	TF PLATE BCDC-20 T=1.0mm (E.G	.	.	c	.	.
		X	MC1054	S0-001-000-000	CABLE/PLASTIC TIE	.	.	c	.	e
		O	MC1055	8C-CHC-219-010	AC VOLTAGE PLATE CCDC-32 T=0.	.	b	c	d	e
		O	MC1056	87-A90-146-010	SW,SLIDE SS12J01M-A-65	a	.	.	.	.
		O	MC1057	86-CS3-210-01	COVER,VOLTAGE	a	.	.	.	.

MECHANICAL PARTS LIST -2/2

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
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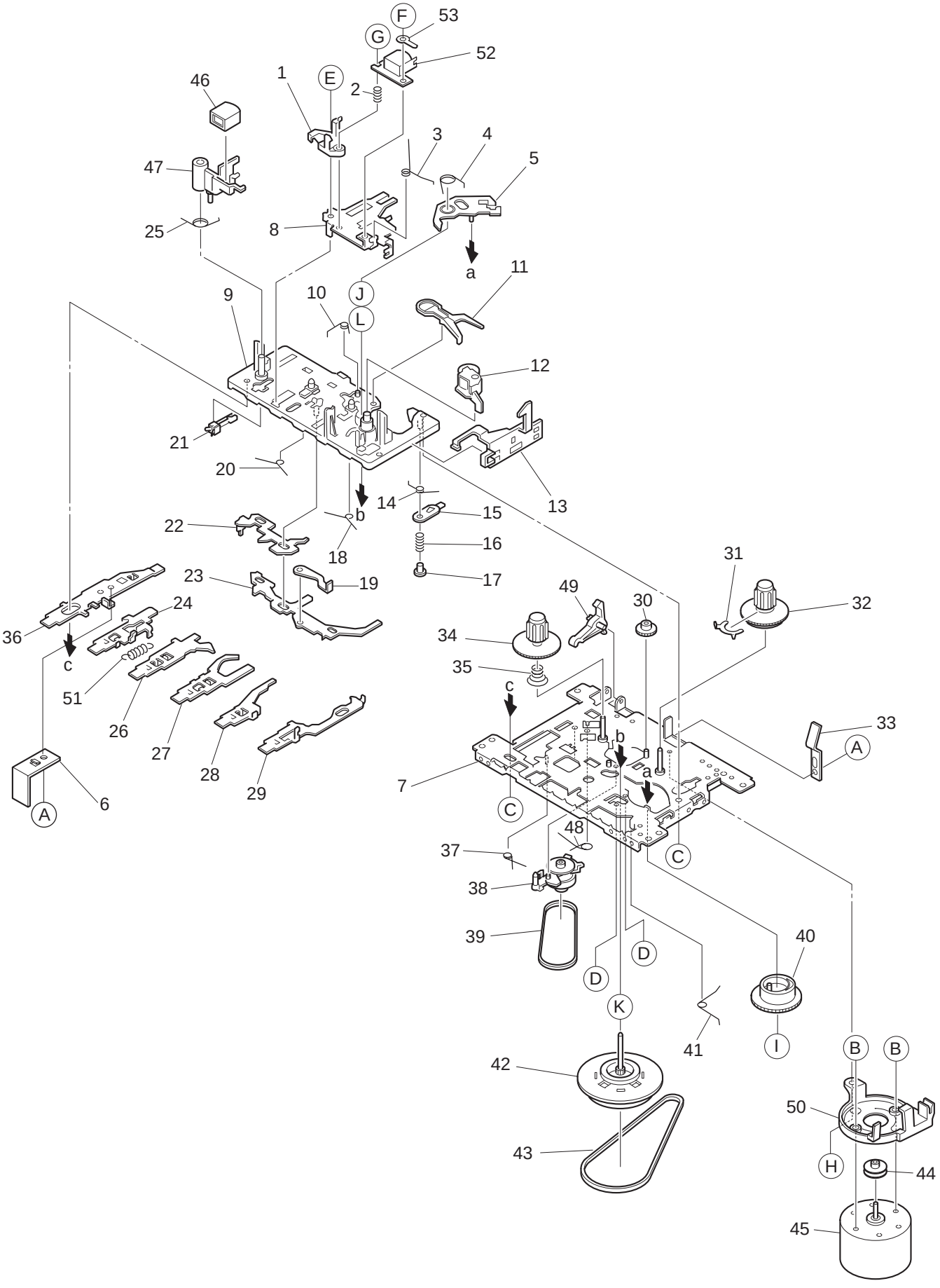
UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
		X	MC1058	SC-CHC-050-000	FIBRE PLATE 67x61	.	.	c	.	e
		X	MC1059	SC-CHC-040-000	SHIELD COPPER PLATE	.	.	c	.	e
		X	MC1060	SC-CDC-330-000	SHIELD PLATE (FOR TF) CCDC-33	a	b	c	d	e
		X	MC1A	87-357-036-010	SCREW ST 2-8	a	b	c	d	e
		O	MC1B	87-741-104-410	SCREW,ST3-30MM PAB	a	b	c	d	e
		O	MC1C	S0-202-601-000	SCREW,ST2.6-10	a	b	c	d	e
		O	MC1D	87-743-073-410	SCREW,ST2.6-6MM	a	b	c	d	e
		X	MC1E	87-343-075-210	SCREW,ST 2.6-10	a	b	.	d	.
		O	MC1F	87-352-095-010	SCREW,ST3-8	a	b	c	d	e
		O	MC1G	87-741-096-410	SCREW,ST3-10MM HEAD V5.9-6.3	a	b	c	d	e
		O	MC1H	87-B10-071-010	SCREW,ST3-15	a	b	c	d	e
		O	MC1I	S1-102-601-720	SCREW ST2.6x17mm BB w/CHROMAT	a	b	c	d	e
		O	MC1J	87-261-095-410	V+3-8	.	.	c	.	.
		X	MC1K	87-743-103-410	SCREW ST3-25MM HEAD	a	b	c	d	e
		O	MC1L	S1-402-600-600	SCREW ST2.6x6mm, KB BRASS BAS	a	b	c	d	e
		X	MC1M	87-343-075-210	SCREW,2.6-10	a	b	c	d	e
		O	MC1N	87-741-096-410	SCREW,3-10MM PM	a	b	c	d	e
		O	MC1O	87-263-033-010	SCREW,2-4	a	b	c	d	e
		O	MC1P	S6-CS3-217-010	NUT M3x0.5 PITCH Ni	a	b	c	d	e
		O	MC1Q	S2-032-120-800	METAL WASHER O3.2xO12x0.8mm	a	b	c	d	e

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
		O	MC1R	S2-028-095-500	METAL WASHER DIA:2.8/DIA:9.5x	a	b	c	d	e
		O	MC1S	S0-402-601-200	SCREW,ST2.6x12 PWB2/AC	.	.	c	.	e
		O	MC1T	87-741-103-410	SCREW,ST3-25	.	.	c	.	e
		O	MC1U	87-741-094-410	SCREW,ST3-6	.	.	c	.	e
		O	MC1V	87-261-095-410	SCREW,ST3-8MM HEAD V5.9-6.3 B	.	.	c	.	e

COLOR NAME TABLE -1/1

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

MECHANISM EXPLODED VIEW -1/1 (TN-21ZVC-2000)



MECHANISM PARTS LIST -1/1 (TN-21ZVC-2000)

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						2000 TN-21ZVC
		O	ST1001	S1-921-030-4A0	HEAD BASE	a
		O	ST1002	S1-821-030-070	AZIMUTH SPRING	a
		O	ST1003	S1-921-030-090	PANEL P SPRING	a
		O	ST1004	S1-921-260-050	GEAR PLATE SPRING	a
		O	ST1005	S1-921-265-020	GEAR PLATE ASSY	a
		O	ST1006	S1-510-020-020	REC SPRING PLATE	a
		O	ST1007	S1-921-015-010	CHASSIS ASSY	a
		O	ST1008	S1-921-030-110	HEAD PANEL	a
		O	ST1009	S1-921-143-160	BASE ASSY	a
		O	ST1010	S1-921-141-8A0	M CONTROL SPRING	a
		O	ST1011	S1-921-260-4A0	SENSING LEVER	a
		O	ST1012	S1-921-043-100	PINCH ROLLER ARM ASSY	a
		O	ST1013	S1-921-130-010	EJECT SLIDE LEVER	a
		O	ST1014	S1-921-141-3A0	P CONTROL SPRING	a
		O	ST1015	S1-921-140-550	PAUSE LEVER(E)	a
		O	ST1016	S1-921-140-120	PAUSE LEVER SPRING	a
		O	ST1017	S1-921-140-110	PAUSE STOPPER	a
		O	ST1018	S1-921-140-150	BUTTON LEVER SPRING(B)	a
		O	ST1019	S1-821-011-590	E KICK LEVER	a
		O	ST1020	S1-921-141-070	BUTTON LEVER SPRING(A)	a
						2000 TN-21ZVC
		O	ST1021	S6-401-011-490	LEAF SW MSW-1541T	a
		O	ST1022	S1-921-140-090	SWITCH ACTUATOR	a
		O	ST1023	S1-921-140-080	PUSH BUTTON ACTUATOR	a
		O	ST1024	S1-921-140-190	PLAY BUTTON LEVER	a
		O	ST1025	S1-921-030-100	MG ARM SPRING	a
		O	ST1026	S1-921-140-040	REW BUTTON LEVER	a
		O	ST1027	S1-921-140-050	FF,BUTTON REVER	a
		O	ST1028	S1-921-140-060	STOP BUTTON LEVER	a
		O	ST1029	S1-921-140-600	PAUSE BUTTON LEVER	a
		O	ST1030	S1-821-100-700	FF GEAR	a
		O	ST1031	S1-921-050-060	SENSER	a
		O	ST1032	S1-921-053-100	TAKE UP REEL ASSY	a
		O	ST1033	S1-829-100-010	PACK SPRING	a
		O	ST1034	S1-921-050-150	S REEL HUB	a
		O	ST1035	S1-921-050-220	BACK TENSION SPRING	a
		O	ST1036	S1-921-140-030	REC BUTTON LEVER	a
		O	ST1037	S1-921-140-170	P.S.LEVER SPRING	a
		O	ST1038	S1-921-073-040	RF CLUTCH ASSY	a
		O	ST1039	S1-921-070-030	RF BELT	a
		O	ST1040	S1-921-260-020	CAM GEAR	a
						2000 TN-21ZVC
		O	ST1041	S1-921-140-160	E ACTUATOR SPRING	a
		O	ST1042	S1-921-093-210	FLYWHEEL ASSY	a
		O	ST1043	S1-921-090-380	MAIN BELT	a
		O	ST1044	S1-921-120-590	MOTOR PULLEY	a
		O	ST1045	S1-212-240-020	(F151-121224-000) MOTOR-DC-01	a
		O	ST1046	S0-103-800-000	ER/HEAD-6P-TDK&&&&&& #PHK380M	a
		O	ST1047	S1-921-030-050	MG ARM	a
		O	ST1048	S1-921-140-210	REC BUTTON LEVER SPRING	a
		O	ST1049	S1-821-100-690	RECORD SAFETY LEVER	a
		O	ST1050	S1-821-128-9A0	MOTOR BRACKET	a
		O	ST1051	S1-821-010-500	PLAY BUTTON LEVER SPRING	a
		O	ST1052	S0-209-510-020	RP/HEAD-ST-TECHRECO& #TC951(0	a
		X	ST1053	S9-F04-302-040	B3 LUG PLATE	a
		O	ST1A	S9-P04-200-310	C TAPPING SCREW 2-3	a
		O	ST1B	S1-921-120-020	MOTOR COLLER SCREW	a
		O	ST1C	S9-B10-200-510	P TAPPING BIND SCREW M2-5	a
		O	ST1D	S9-C07-204-510	SCREW,TAPPING(CAMERA)M2-4.5	a
		O	ST1E	S9-P01-200-610	SCREW,M2-6	a
		O	ST1F	S9-B01-200-310	(+)BIND SCREW M2-3	a
		O	ST1G	S9-F08-200-710	AZIMUTH SCREW M2-7	a
						2000 TN-21ZVC
		O	ST1H	S1-921-120-030	MB SCREW	a
		O	ST1I	S9-W02-300-100	P WASHER CUT 1.2-3.8-0.3	a
		O	ST1J	S9-W02-500-100	P WASHER CUT 1.45-3.8-0.5	a
		O	ST1K	S9-W01-400-100	P WASHER 2-3.5-0.4	a
		O	ST1L	S9-W01-130-200	P WASHER 2.1-4-0.13	a

OTHERS PARTS LIST -1/1 (CSD-TD9,TD901,TD902)

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL				
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
		X		S3-000-000-020	SOLDERING PIN	.	.	c	.	e
		X		87-056-905-010	COLOR LABEL(TITAN SILVER)	a	.	.	.	.
		X		87-B40-085-010	POLY BAG 0.045-8.5-14	a	b	c	d	e
		X		8C-CDC-851-010	POLYFOAM,CCDC-90 #2691	a	b	c	d	e
		X		S0-600-450-220	POLYFOAM SHEET 60mmx45mmx22mm	a	b	.	d	.
		X		87-B50-056-010	AC VOLTAGE CAUTION SHEET	a	.	.	.	.
		X		87-B50-079-010	FACILITY LIST(B)	a	.	.	.	.
		X		87-B40-281-010	LBL,BAR CODE(A-35-8)	a	.	.	.	.
		X		87-057-995-010	LBL,CLASS 1	a	.	.	.	.
		X		87-051-183-010	POLY BAG 0.045-3.25-11.5	a	.	.	.	.
		X		8C-CHC-970-010	POP LABEL(LH)	a	.	.	.	.
		X		8C-CHC-053-010	SPEC LBL(LH)	a	.	.	.	.
		X		87-057-961-010	CAUTION LABEL	a	.	.	.	.
		X		8C-CHC-851-010	G/B(LHS)	a	.	.	.	.
		X		87-056-874-010	DIFFERENCE LABEL <U>	.	b	.	d	.
		X		87-B40-282-010	LABEL,BAR CODE	.	b	c	d	e
		X		84-711-909-010	LBL,CODE DATE	.	b	c	d	e
		X		S0-401-300-000	PE POLY BAG 0.045x4"x13" w/RE	.	b	c	d	e
		X		8C-CHC-971-010	POP LABEL(U)	.	b	c	d	e
		X		87-B50-107-010	CAUTION SAFETY SHEET (UL1492)	.	b	c	d	e
						CSD-TD9 LHSTC	CSD-TD901 USTC	CSD-TD901 UCSTC	CSD-TD902 USC	CSD-TD902 UCSC
		X		8C-CHC-858-010	G/B(901UCST)	.	b	c	.	.
		X		8C-CHC-050-010	SPEC LABEL(UST)	.	b	.	.	.
		X		S9-938-560-000	SPK. BOX FELT 80x8x0.3mm, 993	.	.	c	.	e
		X		87-CD8-229-010	SPONGE 15-10	.	.	c	.	e
		X		S0-600-400-200	POLYFOAM BAR S:60x40x20	.	.	c	.	e
		X		87-B50-098-010	WARR-CARD,C(E)	.	.	c	.	e
		X		87-B50-099-010	WARR-CARD,C(F)	.	.	c	.	e
		X		SS-DC0-190-010	FELT,B 50x15x0.3	.	.	c	.	e
		X		8C-CHC-054-010	SPEC LABEL(C-U)	.	.	c	.	.
		X		8C-CHC-055-010	SPEC LBL(US)	.	.	.	d	.
		X		8C-CHC-853-010	G/B(UCS)	.	.	.	d	.
		X		8C-CHC-056-010	SPEC LABEL(C-US)	.	.	.	.	e
		X		8C-CHC-853-110	G/B(UCS)	.	.	.	.	e

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